8

REPORT RESUMES

ED 003 757 64

U.S. GOVERNMENT FILMS FOR PUBLIC EDUCATIONAL USE-1963.

BY- REID, SEERLEY AND OTHERS

LIBRARY OF CONGRESS, WASHINGTON, D.C.

REPORT NUMBER NDEA-VIIB-077-A PUB DATE 64

REPORT NUMBER OE-34006-63

REPORT NUMBER CIRC-742

EDRS PRICE MF-$0.81 HC-$21.84 546P.

DESCRIPTORS- *FILMS, *FILMSTRIPS, *INDEXES (LOCATORS), *INSTRUCTIONAL FILMS, INSTRUCTIONAL MATERIAL, *EDUCATIONAL PROGRAMS, PUBLIC EDUCATION, DISTRICT OF COLUMBIA

THE U.S. OFFICE OF EDUCATION HAS PROVIDED A LIST OF APPROXIMATELY 6,000 GOVERNMENT MOTION PICTURES AND FILMSTRIPS AVAILABLE FOR PUBLIC EDUCATIONAL USE AS OF JULY 1, 1963. THIS EDITION OF "U.S. GOVERNMENT FILMS FOR PUBLIC EDUCATIONAL USE" IS ARRANGED IN THREE PARTS--(1) A KEY TO INDICATED SOURCE OF AVAILABILITY OF THE FILMS, (2) AN ALPHABETICAL LISTING OF TITLES INCLUDING A FILM SUMMARY, AND (3) A SUBJECT INDEX. (LP)

ED003757

OE-34006-63

U.S. GOVERNMENT films

FOR PUBLIC EDUCATIONAL USE - 1963

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE ★ ★ ★ ★ ★
Office of Education

NOTICE

Please delete all references to "Buy from NF."

In its place, substitute "Buy from DuArt."
Place orders with

DuArt Film Laboratories, Inc.
245 West 55th Street
New York, N.Y. 10019

Phone: Plaza 7-4580

OE-34006-63
Circular No. 742

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education
This document has been reproduced exactly as received from the person or organization originating it. Points of view or opinions stated do not necessarily represent official Office of Education position or policy.

U.S. GOVERNMENT films

FOR PUBLIC EDUCATIONAL USE - 1963

Seerley Reid, Director of Special Projects
Educational Media Branch

and
Eloyse Grubbs, Educational Media Branch

with the assistance of
Mrs. Katharine W. Clugston, Library of Congress

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Anthony J. Celebrezze, Secretary

Office of Education - Francis Keppel, Commissioner

ED003757

The compilation of this catalog was performed pursuant to an agreement between the Library of Congress and the Office of Education, U. S. Department of Health, Education, and Welfare under the provisions of Title VII, Public Law 85-864.

Superintendent of Documents catalog number FS 5.234;34006-63

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON : 1964

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C., 20402 - Price $3

Foreword

As one of its services to American schools and colleges, the United States Office of Education collects, catalogs, and publishes information about the motion pictures and filmstrips of all Government agencies.

In February 1950 the Bureau of the Budget, by direction of the President, issued a circular to the heads of all executive departments and establishments of the Federal Government calling their attention to this service of the Office of Education and requesting that certain basic information about their films be furnished to the Office of Education. In its circular, the Bureau stressed the following values of a catalog of U.S. Government films:

> "It is anticipated (a) that the information so compiled and the catalog, with supplements and revisions as needed, will be helpful not only to educational institutions, other community organizations, and the general public but also to all departments and establishments of the Government; (b) that it will facilitate and expedite the answering of public inquiries concerning the existence and availability of Government films; and (c) that it will provide all departments and establishments with a central source of information on the existence of Government films."

In 1951, the Office of Education and the Library of Congress entered into a cooperative agreement whereby the Office, having established procedures for securing information concerning films of all Government agencies, would furnish such information to the Library and the Library would print and distribute 3x5 catalog cards for all these films. This cooperative cataloging service is now firmly established and Library of Congress cards are available for all of the films described in this 1963 catalog.

Six catalogs have previously been published: Office of Education, Directory of U.S. Government Films, 1940; Office of Education, U.S. Government Motion Pictures and Filmstrips, 1945; Library of Congress, Guide to United States Government Motion Pictures, 1947; Office of Education, 3434 U.S. Government Films, 1951; Office of Education, U.S. Government Films for Public Educational Use, 1955; Office of Education, U.S. Government Films for Public Educational Use, 1960. The first five are now out of print. The sixth is superseded by this 1963 catalog.

The Office of Education has attempted to provide an accurate and complete list --as of July 1, 1963--of all Government motion pictures and filmstrips available for public educational use. This issue of U.S. Government Films for Public Educational Use is arranged in three parts: (a) The key used to indicate source of availability of the films; (b) an alphabetical listing of titles including a cross-index; and (c) a subject index.

The Office of Education appreciates the cooperation of all who aided in the compilation of this catalog.

Ralph C. M. Flynt
Associate Commissioner for Educational
Research and Development

PRECEDING PAGE BLANK-NOT FILMED

Contents

Foreword iii

Films and Film Services of the U.S. Government vii

Sources of U.S. Government Films x

U.S. Government Films for Public Educational Use 1

Subject Index 399

PRECEDING PAGE BLANK-NOT FILMED

Films and Film Services of the U. S. Government

This publication provides, for specialists in new educational media and others concerned with developments in curriculum and instruction, a directory of U.S. Government films available for public educational use as of July 1, 1963. It is a selective publication which includes film materials of the executive, judicial, and legislative branches of the Federal Government, but excludes films of international organizations such as the Pan American Union and the United Nations, State and local governments, and other organizations associated with but not part of the Federal Government. The word films includes both motion pictures and filmstrips.

The term U.S. Government films refers to those films which (a) are property of the Federal Government, including reproduction and distribution rights; or (b) which, if not owned by the Government, are presented officially by the Government and to which the Government has limited distribution rights.

Not included in the catalog are films produced by non-Government sources copies of which may have been acquired and are being distributed by a particular Government agency but for which the U.S. Government's equity and sponsorship extend only to these copies; films which have been withdrawn because of obsolescence; films which are used solely as working tools by a Government agency; and films whose public use in the United States is prohibited for security reasons, legal restrictions, or policy considerations.

Preparation of the Catalog

The Office of Education and the Library of Congress have prepared this catalog cooperatively. The Office of Education collected and organized film information received from the Government agencies participating in the film program and provided the necessary material to the Library of Congress for preparation of this publication. Current availability data for each film were provided by the Office of Education--how to borrow, rent, and purchase each title and its possible clearance for use on television.

The Library of Congress prepared and has available catalog cards for all the films listed in this directory. They contain the basic bibliographic data used in preparing the manuscript.

Availability of films

Sources of the films, identified by alphabetical symbols, are listed with the addresses of each, on pages x-xii. Each symbol is clearly identified for the convenience of catalog users: for example, PHS for Public Health Service, DA for Department of Agriculture. Abbreviations of loan, rental, and purchase sources are provided throughout the text.

Film summaries

Each film summary follows the cataloging pattern developed cooperatively by the Office of Education and the Library of Congress. The descriptive pattern follows that of the Library of Congress; namely, title, motion picture (MP) or filmstrip (FS) identification, Government agency that produced the film, the year of production; running time and other technical data; the producer's order number; a summary of film content; sources from which to borrow, rent, or buy copies of the film; and television clearance. There are approximately 6,000 titles listed.

Subject Index

To facilitate locating specific titles, film users should use the Subject Index on pages 399-532. Each film is listed in the Index under that subject most appropriately identifying its subject matter. For example, the Office of Education film, "Countersinking, Counterboring, and Spotfacing," is listed under Drill Presses. So are "Drilling a Hole in a Pin," "Drilling and Tapping Cast Steel," and some 10 other films.

Film services

In addition to the production and distribution of films, the Government provides a number of film services--card cataloging films by the Library of Congress; copyrighting films, also through the Library of Congress; conducting film research; preparing film bibliographies on child development, atomic energy, and other specialized subjects; assisting the export of commercial films to foreign markets, fostering international agreements, and issuing special catalogs; and certifying appropriate educational films for distribution and use overseas.

Distribution of Government films

There are many ways of distributing Government films nontheatrically. The Department of Agriculture, for example, distributes on a free loan basis its forestry films from the regional offices of the Forest Service; its soil conservation films from State offices of the Soil Conservation Service; films on crop insurance through State offices of the Federal Crop Insurance Corporation; and numerous other films from the USDA Motion Picture Service in Washington. This Department also distributes its films upon a service-charge or rental basis through some 70 depository film libraries located mainly in State agricultural extension offices and in land-grant colleges and universities. Agriculture motion pictures are also sold by the USDA Motion Picture Service in Washington and, in turn, may be distributed on various loan and rental bases by school, university, public, commercial, and other film libraries.

Loan by Government offices

Loaning of films by Government offices resembles the "free copy" distribution of Government publications with the particular agency lending, upon request, its film for use by a school, community group, or technical society. The borrower agrees to use the film in its entirety, charge no admission, return the film promptly, and pay for transportation costs and for any damage to the film.

Instead of lending films directly to the public, some Government agencies use a system of "depository libraries" whereby they furnish prints of their films on a long-term loan to selected 16 mm. film libraries throughout the country. These film libraries then distribute the prints to their regular clientele within a city or State or region. They usually require a "service charge" to the film borrowers and in some instances charge their prevailing rental rates.

Many of the depository libraries have purchased additional prints in order to meet the demand for particular Government films such as "Realm of the Wild" and "The River." In addition to depository film libraries, a number of 16 mm. film libraries purchase prints of Government films and distribute them on a loan or rental basis.

Sale by Government agencies

There is no Government agency, like the Government Printing Office in the field of publications, which has the authority and resources to make and sell prints of all Government films. Certain agencies, such as the Department of Agriculture and the Department of Army, do have authority to sell, at cost, prints of their films. But generally the sale of films by Government agencies is negligible.

Sale by commercial companies

The sale of many U.S. Government films is handled by a commercial contractor under a competitive bid contract, awarded by the General Services Administration. Some agencies have placed their films on sale through the film laboratories in which the film negatives are stored.

The Office of Education uses sale, by a Government contractor, as its primary means of distribution, since Congress in appropriating funds for the production of USOE training films, did not provide funds for distribution of prints and specified that the production cost of the films should be amortized from the sale of prints.

The U.S. Information Agency in its overseas programs uses loan as its primary method of distribution, but in the United States these same films are available only through sale by the Government contractor.

Television

Of the motion pictures listed in this catalog, approximately half may be used on television. All such films are identified by the notation "Cleared for tv."

The conditions under which such films may be televised and the restrictions upon such use vary with different agencies, but in general the following provisions apply to the television exhibition of Government films:

1. The films must be televised in their entirety, including exhibition of credit titles. Some agencies permit minor deletions, if necessary because of program time limitations and if such deletions do not alter the basic content and integrity of the film.

2. The films must be televised continuously from beginning to end except for routine "breaks" for station identification. They are not to be interrupted for advertisements.

3. The films may be used only on sustaining programs. Some agencies permit their films to be used on sponsored programs but specify that such use shall not constitute endorsement by the Government of the program, sponsor, product, or station.

Any institution or group wishing to use a Government film on television should write to the particular agency owning the film for its specific conditions governing such use.

Foreign use

Practically all of the films listed in this catalog may be used in other countries. Some of them are being distributed overseas by such agencies as the U.S. Information Agency and the Agency for International Development. Prints of many of the films have been purchased by institutions and organizations in other countries, particularly the English-speaking countries of Australia, Canada, and New Zealand. Some of the films have been translated into Danish, Dutch, French, Italian, and other languages and used in the European recovery programs.

With rare exceptions, Government agencies other than those with overseas programs do not lend their films for use outside the United States. Foreign users must purchase prints of the films from the sources indicated in this catalog. As an aid to the importation of films into many countries, the U.S. Information Agency has issued Educational Certificates for many of the films in this catalog. Also as an aid to the foreign use of films, the Office of Education, the Department of Agriculture, and certain other Government agencies now permit, subject to certain conditions, their films to be magnetically striped, foreign-language translations of the commentaries recorded thereon, and the resultant foreign-language prints to be used. Information concerning the conditions of such use can be obtained from the U.S. Information Service at the U.S. Embassies in other countries or from the U.S. Office of Education, Washington, D.C. (20202).

Sources of U. S. Government Films

Following, arranged alphabetically by the symbols used in Part I, are the names and addresses of the loan, rental, and purchase sources listed for individual films.

ACS.....American Cancer Society, Inc., 219 East 42d St., New York, N.Y. (10017)

AEC.....U.S. Atomic Energy Commission at the following addresses:

2111 Bancroft Way, Berkeley, Calif. (94704)

Grand Junction, Colo. (81502)

P.O. Box 2108, Idaho Falls, Idaho (83401)

9800 South Cass Ave., Argonne, Ill. (60439)

P.O. Box 5400, Albuquerque, N. Mex. (87115)

376 Hudson St., New York, N.Y. (10014)

P.O. Box A, Aiken, S.C. (29802)

P.O. Box E, Oak Ridge, Tenn. (37831)

P.O. Box 550, Richland, Wash. (99352)

Washington, D.C. (20545)

AF......U.S. Air Force, Film Library Center, 8900 South Broadway, St. Louis, Mo. (63125)

ARC.....American Red Cross, 2025 E St., NW., Washington, D.C. (20006)

AFP.....American Film Producers, 1600 Broadway, New York, N.Y. (10019)

Archives....National Archives, Washington, D.C. (20408)

Army....U.S. Army, Signal Officer, at the following addresses:

First Army, Governors Island, New York, N.Y. (10004)

Second Army, Fort George G. Meade, Md. (20755)

Third Army, Fort McPherson, Ga. (30330)

Fourth Army, Fort Sam Houston, San Antonio, Tex. (78200)

Fifth Army, 1660 East Hyde Park Blvd. Chicago, Ill. (60615)

Sixth Army, Presidio, San Francisco, Calif. (94129)

Headquarters U.S. Army Pacific Audio-visual Communications Center, APO 958, Fort Shasta, Hawaii, San Francisco, Calif.

Military District of Washington, Washington, D.C. (20310)

ASAE....American Society of Agricultural Engineers, 420 Main St., St. Joseph, Mich. (49085)

BM......Graphic Services, Bureau of Mines Central Experiment Station, 4800 Forbes Ave., Pittsburgh, Pa. (15213), and some 90 depository film libraries throughout the country.

BPA.....Bonneville Power Administration, Portland, Oreg. (97200)

BR......Bureau of Reclamation, U.S. Department of the Interior, Washington, D.C. (20240)

Byron...Byron Motion Pictures, Inc., 1226 Wisconsin Ave., Washington, D.C. (20007)

CAP.....Civil Air Patrol, National Headquarters, Ellington Air Force Base, Houston, Tex. (77000)

Capital.Capital Film Laboratories, Inc., 470 E St., SW., Washington, D.C. (20024)

CAS.....Creative Arts Studio, Inc., 814 H St., NW., Washington, D.C. (20001)

Census..U.S. Census Bureau, Washington, D.C. (20233)

CFI.....Consolidated Film Industries, 959 Seward St., Hollywood, Calif. (90038)

CG......U.S. Coast Guard, Washington, D.C. (20226)

CGS.....Coast and Goedetic Survey, U.S. Department of Commerce, Washington, D.C. (20235)

CMC.....Center for Mass Communication, Columbia University Press, 1125 Amsterdam Ave., New York, N.Y. (10025)

CP......Calvin Productions, Inc., 1105 Truman Rd., Kansas City, Mo. (64106)

CSC.....U.S. Civil Service Commission, Washington, D.C. (20415)

CW......Wexler Film Productions, Inc., 801 North Seward St., Los Angeles, Calif. (90038)

DA......U.S. Department of Agriculture, Washington, D.C. (20250), and some 70 depository film libraries throughout the country.

DA-MPS..U.S. Department of Agriculture, Motion Picture Service, Washington, D.C. (20250)

DC-TF...U.S. Department of Commerce, Office of International Trade Fairs, Washington, D.C. (20235)

DI-AR...U.S. Department of the Interior, Alaska Railroad, Washington, D.C. (20240)

Eng.....Corps of Engineers, U.S. Army, Washington, D.C. (20315)

FAA.....Federal Aviation Agency, Headquarters 452, Washington, D.C. (20553) (For service of Washington area only.)

Film Library, AC-142.1, P.O. Box 1082, Oklahoma City, Okla. (73100)

FKR.....Federick K. Rockett Co., 6063 Sunset Blvd., Hollywood, Calif. (90028)

FRB.....Federal Reserve Banks of Minneapolis, Minn. (55400), and of Richmond, Va. (23200)

FU......Film Unit, Martin Co., Baltimore, Md. (21200)

FWS.....Fish and Wildlife Service, U.S. Department of the Interior, Washington, D.C. (20242)

GE......General Electric Company, Electric Utility Marketing Research, 570 Lexington Ave., New York, N.Y. (10022)

GFL.....General Film Laboratories, 1546 North Argyle Ave., Hollywood, Calif. (90028)

GS......Geological Survey, U.S. Department of the Interior, Washington, D.C. (20242)

HSF.....Hughes Sound Film, 3190 East Alameda Ave., Denver, Colo. (80209)

IFB.....International Film Bureau, Inc. 332 South Michigan Ave., Chicago, Ill. (60604)

KGW-TV..KGW-TV Station, 1139 SW., 13th Ave., Portland, Oreg. (97200)

KING-TV.Director of Special Features, KING-TV Station, Seattle, Wash. (98100)

LMAFS...Lookout Mountain Air Force Station, 8935 Wonderland Ave., Los Angeles, Calif. (90046)

MDH.....Michigan Department of Health, Office of Health Information, 3500 North Logan, Lansing, Mich. (48914)

MFG.....Medical Film Guild, LTD., 506 West 57th St., New York, N.Y. (10019)

MPS.....Motion Picture Service, Office of Information, U.S. Department of Agriculture, Washington, D.C. (20250)

NASA....National Aeronautics and Space Administration, Washington, D.C. (20546)

Navy....U.S. Navy, Commandant, at the following addresses:

1st Naval District, 495 Summer St.,
Boston, Mass. (02100)

3d Naval District, 90 Church St.,
New York, N.Y. (10000)

4th Naval District, Naval Base,
Philadelphia, Pa. (19100)

5th Naval District, Norfolk, Va.
(23500)

6th Naval District, U.S. Naval Base,
Charleston, S.C. (29400)

8th Naval District, New Orleans, La.
(70100)

9th Naval District, Building 1, Great
Lakes, Ill. (60085)
10th Naval District, Navy No. 116,
Fleet Post Office, New York, N.Y.
(10000) (for San Juan, P.R.)

11th Naval District, San Diego, Calif.
(92100)

Navy (continued)
12th Naval District, Federal Office Building, San Francisco, Calif. (94100)

13th Naval District, Seattle, Wash. (98100)

14th Naval District, Box 110, Navy No. 128, Fleet Post Office, San Francisco, Calif. (94100)
(for Pearl Harbor, Hawaii)

15th Naval District, Navy No. 121, Fleet Post Office, New York, N.Y. (10000)
(for Fort Amador, C.Z.)

17th Naval District, Navy No. 127, Care of Postmaster, Seattle, Wash. (98100)
(for Kodiak, Alaska)

Potomac River Naval Command, U.S. Naval Station (Washington Navy Yard Annex), Washington, D.C. (20004)

Severn River Naval Command, Annapolis, Md. (21400)

NF......Norwood Films, Inc., 926 New Jersey Ave., NW., Washington, D.C. (20001)

NBS.....National Bureau of Standards, U.S. Department of Commerce, Washington, D.C. (20234)

NCI.....National Cancer Institute, Bethesda, Md. (20000)

NFBC....National Film Board of Canada, Suite 819, 680 Fifth Ave., New York, N.Y. (10000)

NGA.....National Gallery of Art, Washington, D.C. (20565)

OCDM....Office of Civil and Defense Mobilization at the following addresses:

Region 1, Oak Hill Rd., Harvard, Mass. (01451)

Region 2, Olney, Md. (20832)

Region 3, P.O. Box 108, Thomasville, Ga. (31792)

Region 4, Battle Creek, Mich. (49014)

Region 5, Denton, Tex. (76201)

Region 6, P.O. Box 8878, University Park Station, Denver, Colo. (80210)

Region 7, Naval Auxiliary Air Station, Santa Rosa, Calif. (95401)

Region 8, Everett, Wash. (98201)

OVR.....Vocational Rehabilitation Administration, U.S. Department of Health, Education, and Welfare, Washington, D.C. (20201)

PCPH....President's Committee on Employment of the Physically Handicapped, Washington, D.C. (20210)

PCR.....Psychological Cinema Register, Pennsylvania State University, University Park, Pa. (16801)

PCTS....President's Committee for Traffic Safety, Washington, D.C. (20006)

Palmer..Palmer Films, Inc., 611 Howard St., San Francisco, Calif. (94100)

PF......Pyramid Film Producers, Santa Monica, Calif. (90400)

Photo Lab....Photo Lab, Inc., 3825 Georgia Ave., NW., Washington, D.C. (20011)

PHS.....U.S. Public Health Service, Communicable Disease Center, Atlanta, Ga. (30300)

PMP.....Pittsburgh Motion Picture Laboratory, 116 Seventh St., Pittsburgh, Pa. (15222)

PO......U.S. Post Office Department, Washington, D.C. (20260)

RGW.....Raphael G. Wolff Studios, Inc., 1714 North Wilton Pl., Hollywood, Calif. (90028)

SSA.....Social Security Administration, Bureau of Old Age and Survivors Insurance, Baltimore, Md. (21200), and principal cities throughout the country.

SVE.....Society for Visual Education, Inc., 1345 West Diversey Parkway, Chicago, Ill. (60600)

TC......Technicolor Corporation, 6311 Romaine St., Hollywood, Calif. (90038)

TVA.....Tennessee Valley Authority, Knoxville, Tenn. (37900)

VA......Film Library, U.S. Veterans Administration, Washington, D.C. (20420)

WB......U.S. Weather Bureau, Washington, D.C. (20235), and depository film libraries throughout the country.

WFP.....Wexler Film Productions, Inc., 801 North Seward St., Los Angeles, Calif. (90038)

U. S. Government Films for Public Educational Use

A

The AACS story (*Motion picture*) U. S. Dept. of the Air Force, 1959.
19 min., sd., color, 16 mm.
Order no. SFP 618.
Revision of the 1956 motion picture of the same title.
Summary: Depicts the scope and mission of the Airways and Air Communications Service.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

AAF comes of age (*Motion picture*) U. S. Army Air Forces, 1946.
54 min., sd., b&w, 16 mm.
Order no. SFP 200.
Summary: Historical record of the development and role of the U. S. Army Air Force in World War II. Includes combat scenes and closes with the dropping of the atomic bombs upon Japan.

Borrow from AF. *Buy from* NF.

AAF special delivery (*Motion picture*) U. S. Army Air Forces, 1946.
13 min., sd., b&w, 16 mm.
Order no. SFP 225.
Summary: Shows varied means of delivery made by the U. S. Air Force in war and peace, the atomic bombing of Japan, and the U. S. Air Force participation in the first Bikini tests.

Borrow from AF. *Buy from* NF.

The ABC of G (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Associated Screen News. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., color, 16 mm.
Order no. MN 3446.
Summary: Explains the effect produced by accelerative force (measured in G's) upon the blood in the body; shows testing equipment used to determine how soon a subject greys out, blacks out, or reds out; and stresses keeping the body in good condition.

Borrow from Navy. *Buy from* NF.

ABC warfare defense ashore: Biological and chemical decontamination; exteriors (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
14 min., sd., b&w, 16 mm.
Order no. MN 7984–g.
Summary: Reviews the procedures for treating both gas-contaminated and germ-contaminated outdoor areas, including marked areas, filling decontamination truck and mixing chemicals, treatment of surfaces, hand spraying with DANC, emergency use of bleach, and checking decontamination results.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Biological warfare decontamination; interiors (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
6 min., sd., b&w, 16 mm.
Order no. MN 7984–f.
Summary: Illustrates the special procedure for decontaminating interiors in biological warfare, including marking suspected buildings, preparation of interiors, and use of decontaminant fog of formaldehyde solution diluted with methanol.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Biological warfare decontamination; personal equipment (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
8 min., sd., b&w, 16 mm.
Order no. MN 7984–h.
Summary: Describes the decontamination of clothing and personal gear on a large scale with ethylene oxide and carboxide, small scale use of chlorine bleaching solution and decontamination of gas masks and cannisters.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Biological warfare decontamination; personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
10 min., sd., b&w, 16 mm.
Order no. MN 7984–e.
Summary: Shows the use of masks and the decontamination facilities of permanent and portable shelters and of outdoor temporary cleansing stations. Details the timetable shower required.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Chemical warfare decontamination; personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
13 min., sd., b&w, 16 mm.
Order no. MN 7984–i.
Summary: Stresses the importance of gas masks as a first line of defense against blister and nerve gases, and the use of ointments and atropine in aid kits. Illustrates permanent, portable, and outdoor personal decontamination facilities and the timetable shower required.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Detection of contaminated areas in biological and chemical warfare (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
14 min., sd., b&w, 16 mm.
Order no. MN 7984–c.
Summary: Shows procedure for detection of areas contaminated by chemical warfare agents, particularly blister gases, and the use of a biological warfare field sampling kit for detection of germs.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
18 min., sd., b&w, 16 mm.
Order no. MN 7984–a.
Summary: Reviews in general terms the elements of shelter, equipment, and training making up a passive defense program for naval shore installations against atomic, biological, and chemical warfare attack. Defines class one, class two, single-purpose type, and hasty shelter; and urges the desirability of advance planning and organization.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Protective clothing for decontamination personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
12 min., sd., b&w, 16 mm.
Order no. MN 7984–d.
Summary: Illustrates in detail the procedure for dressing in the special protective clothing required for personnel assigned to detection, decontamination, and cleanup work in the event of atomic, biological, and chemical warfare attacks.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Rescue operations; lifting devices, shoring (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.
17 min., sd., b&w, 16 mm.
Order no. MN 7984–k.
Summary: Shows proper rescue operations and the use of machine and hand tools in the handling of casualties, broken gas and water lines, electrical conductors, damaged buildings, and rubble. Demonstrates the construction and application of various kinds of shores.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

ABC warfare defense ashore: Rescue operations; rigging, breaching walls, tunneling (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.
18 min., sd., b&w, 16 mm.
Order no. MN 7984–1.
Summary: Shows the construction and use of various types of rigging, and demonstrates how to breach walls and construct a tunnel in typical rescue operations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The ABC's of briefing (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. TF 1–5254.
Summary: Demonstrates methods of preparing and presenting effective briefings; emphasizes the importance of accuracy, brevity, and clarity as the ABC's of good briefing.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The AN/TCC–7 system. Part 2: Initial adjustments of carrier telephone terminal (*Motion picture*) U. S. Dept. of the Army, 1958.

23 min., sd., b&w, 16 mm.
Order no. TF 11–2696.

Summary: Shows the step-by-step procedures for making the initial adjustments on the carrier telephone terminal of the AN/TCC–7 system, including adjustments of terminal plate voltage; test circuit; transmit circuit of the order wire panel; signal path of message channels; transmitted line-up frequencies; and 600 volt power supply.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

ARDC, special staff film report (*Motion picture*) U. S. Dept. of the Air Force, 1955.

23 min., sd., color, 16 mm.
Order no. SFP 377.

Summary: An explanation of the Air Research and Development Command, including such projects as B–52 long range bomber, thrust reversal for jet fighter, experiments in downward ejection, solar generator, rocket sled experiments, and matador pilotless bomber.

Borrow from AF. *Cleared for tv.*

ASTIA: Armed Services Technical Information Agency (*Motion picture*) U. S. Dept. of the Air Force, 1959.

15 min., sd., color, 16 mm.
Order no. SFP 621.

Summary: Outlines the scope and mission of the Armed Services Technical Information Agency, points out its importance to our research and development program, and discusses procedures for utilizing ASTIA services.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Abandon ship (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Wilding Picture Productions. Released for educational use through U. S. Office of Education, 1949.

32 min., sd., b&w, 16 mm.
Order no. MN 1145.

Summary: Explains how to abandon a ship, escape through oil and gas, use emergency flotation tactics, rescue others, and defend self against predatory marine life.

Borrow from Navy. *Buy from* NF.

Abdominal aortic aneurysm replacement with nylon graft (*Motion picture*) U. S. Veterans Administration, 1957.

12 min., sd., color, 16 mm.

Summary: Demonstrates a technique for the resection of an aortic abdominal aneurysm with replacement by a chemically treated, bifurcated prosthesis. Emphasis is placed on the suturing technique which is illustrated by diagrams.

Borrow from VA. *Buy from* NF.

Abdominal colostomy closure (Pauchet method) (*Motion picture*) U. S. Dept. of the Army, 1947.

9 min., sd., color, 16 mm.
Order no PMF 5002.

Summary: Demonstrates a case of a well-functioning colostomy of double loop type located on the left side in the sigmoid colon; describes the method used to accomplish closure, and necessary precautions to be observed. For medical personnel.

Borrow from Army.

Aberdeen proving ground (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

27 min., sd., b&w, 16 mm.
Order no. FB 9–238.

Summary: Discusses the functions and operations of the Ballistics Research Laboratory, Development and Proof Services, the Ordnance School, and the Aberdeen Ordnance Depot at Aberdeen Proving Ground, Maryland.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

About faces (*Motion picture*) U. S. Public Health Service, 1941. Made by Sound Masters.

10 min., sd., b&w, 16 mm.

Summary: Emphasizes the importance of good teeth, particularly in relationship to one's appearance; and of care of the teeth, particularly the necessity of regular visits to a dentist.

Borrow from PHS.

About rumors (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.

15 min., sd., color, 16 mm.
Order no. FN 7437 or AFIF 41.

Summary: Explains through the use of cartoons the harmful effects of rumors and describes what they are, how they start, and why they spread. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Accessory assembly series. Tools and procedures
see
Hand soldering
High frequency soldering

Accuracy plus: The AN/FPS 16 instrumentation radar at White Sands (*Motion picture*) U. S. Dept. of the Army, 1961.

11 min., sd., color, 16 mm.
Order no. MF 45–9520

Summary: Describes the features, capability, application, and operation of the AN/FPS 16 instrumentation radar, a chain radar system especially designed for missile tracking.

Borrow from Army.

Ace in the hole (*Motion picture*) U. S. Dept. of the Air Force, 1961.

15 min., sd., color, 16 mm.
Order no. SFP 1094.

Summary: Traces the development of the Minuteman, the Air Force's "ace in the hole," and emphasizes the value of this weapon to the blend of manned and unmanned counterforce systems. Points out that because of its simplicity in manufacture, maintenance, and operation, the Minuteman can be provided in larger numbers at much lower cost than any other strategic system. Shows how the Minuteman, which can be launched from underground silos or from mobile rail cars, offers the enemy a virtually impossible targeting area.

Buy from NF. *Cleared for tv.*

Across-the-line starters (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

15 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 2)
Order no. OE 389.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Theory and operation of a manually operated thermal overload switch; a magnetically operated across-the-line starter; a drum reversing switch for a three-phase motor; and a magnetic reversing switch.

Buy from NF.

Across-the-line starters (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

37 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 2)
Order no. OE 389–fs.
Supplements motion picture of same title.
With instructor's manual.

Buy from NF.

Acrylic jacket crown construction (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

35 min., sd., color, 16 mm.
Order no. MN 5371.

Summary: Preparation of tooth for a jacket crown; laboratory work in preparation of the crown; fitting and polishing the crown. For dental personnel.

Borrow from Navy. *Buy from* NF.

Act of honor (*Motion picture*) U. S. Civil Service Commission with cooperation of the National Archives and the Library of Congress. Released by U. S. Civil Service Commission, 1962.

28 min., sd., color, 16 mm.

Summary: A filmograph. Describes the origin of the Federal civil service and discusses its accomplishments over the past 100 years.

Borrow from CSC.

Action at Anguar (*Motion picture*) U. S. War Dept., 1945.
27 min., sd., b&w, 16 mm.
Order no. MF 40–1128.
Summary: Pictorial record of the capture of Anguar in the Pacific by the U. S. Army's 81st Infantry Division.
Borrow from Army.

Activated sludge plant with vacuum filtration and incineration (*Filmstrip*) U. S. Public Health Service, 1950.
75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Municipal sewage treatment plants, no. 4)
Order no. 5–160.
Made principally from pictures in the slide sets released under the titles, Activated sludge process (order no. 9–003.5), and Vacuum filtration and incineration process (order no. 9–033.6)
Summary: Explains through schematic diagrams and photographs details of activated sludge and vacuum filtration units as applied to sewage treatment plants.
Borrow from PHS. *Buy from* NF.

Activities of the U. S. Coast and Geodetic Survey (*Motion picture*) U. S. Coast and Geodetic Survey, 1953.
22 min., sd., color, 16 mm.
Summary: Portrays the activities of the U. S. Coast and Geodetic Survey, including geodesy, hydrography, photogrammetry, magnetic observation, and other activities.
Borrow from CGS.

Activity for schizophrenia (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.
25 min., sd., b&w, 16 mm.
Summary: Explains how modern (1950) concepts of activity are applied to distinctive needs of schizophrenic patients; shows particularly how corrective therapists under the guidance of psychiatrists motivate patients from lower levels of activity to more socialized areas by establishing strong interpersonal relationships through the sensory appeal of intensified physical activities.
Borrow from VA. *Buy from* NF.

Activity for schizophrenia
see also
Road to reason

Adding or removing refrigerant (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 4)
Order no. OE 441.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check a domestic refrigeration system for lack of refrigerant; add refrigerant by weight; add an unmeasured amount of refrigerant; and remove refrigerant.
Buy from NF.

Adding or removing refrigerant (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
52 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 4)
Order no. OE 441–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight, including studies of various tethered landing techniques (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
12 min., si., color, 16 mm.
Summary: Shows test techniques and graphically illustrates the results of several flights of a model of an unswept-wing vertically rising airplane in a free-flight tunnel investigation to determine stability and control characteristics for the hovering condition and to study the behavior of the model in landings made by various techniques involving the use of lines for pulling the model in for a landing. The model is essentially a conventional airplane model with a large dual-rotating propeller and sufficient power to take off and land vertically and with conventional controls operating in the propeller slipstream. For technical personnel, to be used with NACA Research memorandum L51 I 07a: Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight including studies of various tethered landing techniques.
Borrow from NASA.

Adjusting and checking the expansion valve (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
21 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 7)
Order no. OE 444.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Design and operation of the bellows type and the diaphragm type automatic expansion valves; and how to adjust, check, and service the bellows type valve.
Buy from NF.

Adjusting and checking the expansion valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
49 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 7)
Order no. OE 444–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Adjusting & repairing the thermo expansion valve (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
12 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 1)
Order no. OE 448.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Theory of multiple refrigeration systems; how to test and adjust the thermo expansion valve; recognize symptoms of trouble in the valve; and service the valve.
Buy from NF.

Adjusting & repairing the thermo expansion valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
38 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 1)
Order no. OE 448–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Adjusting commercial thermostatic controls (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
12 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 3)
Order no. OE 450.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to adjust the thermostatic motor control, the thermo two-temperature valve, and the thermo water valve.
Buy from NF.

Adjusting commercial thermostatic controls (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
39 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 3)
Order no. OE 450–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Adjusting mechanical brakes (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
21 fr., b&w, 35 mm.
Order no. SN 1995.
Revision of 1942 filmstrip with same title, order no. SN 180.
Summary: Demonstrates preliminary checking of brake system; adjusting the brakes; and final adjustments of the brake hook-up. For aircraft mechanics training.
Borrow from Navy. *Buy from* NF.

Adjusting pressure actuated temperature control devices (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
15 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 2)
Order no. OE 449.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Purpose of pressure actuated temperature control devices; how to adjust the pressure actuated motor control; and adjust the metering type and snap-action two-temperature valves.

Buy from NF.

Adjusting pressure actuated temperature control devices (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
47 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 2)
Order no. OE 449–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Adjusting the Le Tourneau power control unit (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
11 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 1)
Order no. TF 5–1774.
Summary: Explains the common causes of trouble in the power control unit and how to recognize and correct them. Shows in detail the steps in adjusting the brake, spacing the main gear, and adjusting the clutch.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Adjustment to military life (*Motion picture*) U. S. Dept. of the Army, 1954.
18 min., sd., b&w, 16 mm.
Order no. MF 45–8288.
Summary: A veteran sergeant, who is shocked at the ineptness of his trainee platoon, reminisces about his own development from a newly inducted recruit into a well-trained soldier.
Borrow from Army. *Cleared for tv.*

Adjustments after check flight (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 261.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Causes of nose-heaviness, tail-heaviness, yawing, torque tendency, rough propeller, and ground looping; how to determine the particular causes of these troubles and make necessary adjustments.

Buy from NF.

Adjustments after check flight (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
47 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 261–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Administration of drugs (*Motion picture*) U. S. Dept. of the Air Force, 1957.
10 min., sd., b&w, 16 mm.
Order no. FTA 367.
Summary: Demonstrates procedures for oral, rectal, and intravenous administration of drugs.
Borrow from AF.

Admiral Burke takes command (*Motion picture*) U. S. Dept. of the Navy, 1955.
12 min., sd., b&w, 16 mm.
Order no. MN 8344.
Summary: Presents portions of the change of command speeches at Annapolis, in August 1955, by the Secretary of the Navy, Admiral Carney, and Admiral Burke, as Admiral Burke is sworn in as new Chief of Naval Operations.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Admiralty Islands (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.
16 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR–A–8.
Summary: Historical report of the capture of the Admiralty Islands north of New Guinea by the American 1st Cavalry Division during World War II.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Adult education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.
22 min., sd., b&w, 16 mm.
Summary: Portrays evening classes being held in Bryant School, Woodside, Long Island, N. Y., and explains the benefits derived by adults who attend such evening schools in the United States. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Advance base waterfront construction: Timber piers (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by International Movie Producers' Service. Released for public educational use through U. S. Office of Education, 1954.
18 min., sd., b&w, 16 mm.
Order no. MN 7488–a.
Summary: Demonstrates the construction of a timber pier including the planning, methods, tools, and equipment which are required.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Advanced helicopter flight principles, part 1 (*Motion picture*) U. S. Dept. of the Army, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 46–2210.
Summary: Discusses the characteristics and movements of the rotor blades at various speeds, underscoring the importance of symmetrical airfoil design for helicopter stability; illustrates movements in the fully articulated and semi-rigid types of rotor heads, pointing up the relationship of the aerodynamic phenomena and flight; reviews the principal stabilizing and dampening devices used to integrate control and rotor movements.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Advanced helicopter flight principles, part 2 (*Motion picture*) U. S. Dept. of the Army, 1956.
11 min., sd., b&w, 16 mm.
Order no. TF 46–2211.
Summary: Discusses the effects of air movements on flight, the utilization of and adjustment of those air movements, and the need to create air movements for flight; explains airflow patterns from takeoff through flight, glide and landing, hovering, translational climb, directional flight, autorotational glide, and landing. Emphasizes that proper application of flight principles and proper maintenance are necessary for efficient helicopter performance.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Advanced helicopter flight training. Part 1: Confined area operations (*Motion picture*) U. S. Dept. of the Army, 1957.
27 min., sd., b&w, 16 mm.
Order no. TF 46–2421.
Summary: Illustrates landing and takeoff procedures in confined areas of operations, taking into account wind and turbulence, high and low reconnaissance, ground reconnaissance, pinnacle operations, contour approach, road operation, and slope operation.
Borrow from Army.

Advanced typing: Duplicating and manuscript (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
26 min., sd., b&w, 16 mm.
Order no. MN 1512–d.
Summary: How to make masters for duplicating machine use; correct mistakes on a stencil when using hectograph ribbons or carbon; use an electromatic hectograph machine and various other types of duplicating machines; and type manuscripts with footnotes.
Borrow from Navy.

Advanced typing: Shortcuts (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
35 min., sd., b&w, 16 mm.
Order no. MN 1512-c.
Summary: How to use tab stops, tab bar, and decimal tabulator key; handle carbon packs; make erasures; insert missing words and letters; remove extra words and letters; type cards, envelopes, and labels; and draw vertical and horizontal lines.
Borrow from Navy.

Adventures in metallurgy (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by General Electric Co.
22 min., sd., color, 16 mm.
Summary: A study of the room-temperature deformation and fracture in uranium as seen in the optical microscope. Explains that strain energy accelerates the formation of uranium oxide film on the specimen's surface, and that as a result, the microstructure is revealed by interference colors that facilitate interpretation.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Adventures of Junior Raindrop (*Motion picture*) U. S. Dept. of Agriculture, 1948.
8 min., sd., color, 16 mm.
With teacher's guide.
Summary: An animated cartoon, prepared primarily for school use, on a raindrop's visit to earth, showing that raindrops, like children, can become delinquent when their welfare is neglected. Through "live-action" scenes portrays the results of poor and good watershed management.
Rent from DA Film Libraries. *Buy from* NF.

Aedes aegypti survey techniques (*Filmstrip*) U. S. Public Health Service, 1957.
82 fr., color, 35 mm.
Order no. FS 290.
Summary: Shows techniques and procedures used in an actual Aedes aegypti survey, including orientation and briefing of mosquito control personnel before the survey, selection of areas to be sampled, types of equipment used, various habitats of Aedes aegypti, and larvae sampling and adult collecting.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Aerial firepower (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., color, 16 mm.
Order no. SFP 552.
Revision of the 1955 motion picture of the same title.
Summary: Portrays a demonstration of aerial firepower at Eglin Air Force Base, Florida. Shows modern aircraft delivering rockets, missiles, and napalm bombs. Emphasizes the accuracy with which U. S. Air Force aircraft can pin-point this firepower.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aerial freight delivery series
see
Cargo dropping
Cargo retrieving
Cargoing and loading

Aerial navigation: Map reading (*Motion picture*) U. S. Army Air Forces, 1945.
21 min., sd., b&w, 16 mm.
Order no. TF 1-3460.
Summary: Demonstrates the procedure to be followed by a navigator in charting the course of his aircraft.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aerial navigation series
see
Aerial sextant, type A-7
Air swinging and curve data for the SCR-269-ACG
Celestial instruments. Part 2: Aerial sextants
Celestial sphere and time. Part 2: Celestial sphere
Dead reckoning instruments. Part 1: Driftmeters
Elementary dead reckoning. Part 1: Earth's surface
Interpretation of a single "lop"
Operation of the astro-compass
Radio navigation. Part 1: Introduction and aids to radio navigation
Radio navigation. Part 3: Radio bearings
Secondary uses of the astro-compass

Aerial setxant, type A-7 (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
43 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-412.
Summary: Describes the construction of the A-7 sextant and tells how to operate and care for it.
Borrow from AF.

Aerial traffic patterns (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
47 fr., b&w, 35 mm.
Order no. FS 1-70.
Summary: Depicts the aerial traffic patterns used by the U. S. Army Air Forces in its pilot training program.
Borrow from AF.

Aerial tramway (*Motion picture*) U. S. Dept. of the Army, 1951.
20 min., sd., b&w, 16 mm.
Order no. MF 7874.
Summary: Shows the construction and operation of an aerial tramway to eliminate "bottlenecks" at landings where supplies for the Army are loaded and unloaded.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Aero medical research (*Motion picture*) U. S. Dept. of the Air Force, 1957.
25 min., sd., color, 16 mm.
Order no. SFP 390.
Summary: Describes the intensive research program at ARDC's Aero Medical Laboratory, Wright Air Development Center; and illustrates the role of aero medical specialists through actual tests and research necessary for an F102 pilot to withstand the rigors of high speeds, high altitudes, and intricate maneuvers.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aerobee (*Motion picture*) U. S. Dept. of Defense, 1951.
7 min., sd., b&w, 16 mm.
On reel with Independence Day, 175th anniversary.
Order no. AFSR 135.
Summary: Explains how knowledge of the stratosphere has been increased through research conducted with the rocket missile, the "aerobee."
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Aerodynamics (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
50 fr., b&w, 35 mm.
Order no. FS 1-8.
Summary: Describes the motion of air and the force it exerts upon moving solids; explains the way in which turbulence and skin friction oppose useful dynamic reaction.
Borrow from AF. *Buy from* NF.

Aerodynamics: Air flow (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.
18 min., sd., b&w, 16 mm.
Order no. TF 1–160.
Summary: Explains turbulence and skin friction through the visualization of smoke flowing over solids of different shapes and forms. Also defines, through the use of smoke streams, angle of attack, point of stall, drag, and lift.

Borrow from AF. *Cleared for tv.*

Aerodynamics: Forces acting on an air foil (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.
27 min., sd., b&w, 16 mm.
Order no. TF 1–161.
Summary: Theory and principles of the forces acting on airfoils; lift, drag, angle of attack, and wing chord; development and use of wind tunnels to measure forces on a wing form; relationship between lift, drag, wing area, wind velocity, thrust, and weight.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aerodynamics: Fundamentals of roll-divergence (*Motion picture*) U. S. Dept. of the Navy, 1960.

12 min., sd., b&w, 16 mm.
Order no. MN 9411.
Summary: Describes the interaction of inertial, gyroscopic, and aerodynamic forces on high-performance jet aircraft during roll maneuvers. Demonstrates, through the use of animated drawings and a gimbal-mounted model of F8U aircraft, the undesirable results of excessive roll rate and duration.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aerology (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
91 fr., b&w, 35 mm. (Navy quiz, no. 2)
Order no. SN 2542–b.
Summary: Explains basic cloud shapes and presents multiple choice questions dealing with the type and meaning of cloud shapes at various altitudes, meaning of weather symbols, and other subjects relating to aerology.
Borrow from Navy.

Aerology series
see
Weather and radar

Aerology (thunderstorms) Part 1: Formation and structure of thunderstorms (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.
17 min., sd., b&w, 16 mm.
Order no. MN 7409–a.
Summary: Explains the relationship of moist air, heat, and conditionally unstable air; conditions for frontal types of storms and their frequency; and the structure of thunderstorms.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aerology (thunderstorms) Part 2: Flight techniques with respect to thunderstorms (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.
15 min., sd., b&w, 16 mm.
Order no. MN 7409–b.
Summary: Demonstrates essential flight techniques with respect to thunderstorms, and discusses desirable airspeeds for penetration, desirable altitudes, methods of storms, detection of storms, techniques of plane control, flight through hail, and landing procedures.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aeromedical evacuation (*Motion picture*) U. S. Dept. of the Air Force, 1953.
38 min., sd., b&w, 16 mm.
Order no. TF 1–4833.
Summary: Shows the many details of behind-the-scene operations involved in bringing wounded personnel back to the United States and to hospitals near their homes. Explains the function of the Military Air Transport Service.
Borrow from AF. *Cleared for tv.*

Aerospace communications: The reins of command (*Motion picture*) U. S. Dept. of the Air Force, 1961.

26 min., sd., color, 16 mm.
Order no. SFP 1031
Summary: Brig. Gen. James Stewart, USAFR, explains the USAF's vast communications network upon which hinge effective command and control of the world-wide strike forces. Describes the operation of the network.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Africa (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

35 min., sd., b&w, 16 mm.
Order no. WA 10.
Summary: Assistant Secretary of State for African Affairs, Joseph C. Satterthwaite, appraises the new Africa—its goals, accomplishments, and problems. Reviews the history and basic problems facing the many new nations on the African continent.
Borrow from Army. *Cleared for tv.*

African horse sickness (*Motion picture*) U. S. Dept. of Agriculture, 1962.

29 min., sd., color, 16 mm.
Summary: Explains that African horse sickness killed an estimated 300,000 equines in two summers in the Middle East and Asia, pointing out that the disease spread from Africa through the Mideastern countries to India. Presents a photographic record of the progress of the disease from infection to death. Describes the development, manufacture, and administration of preventive vaccines.

Borrow from DA. *Buy from* DA–MPS.

African trypanosomiasis (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1953.
16 min., sd., color, 16 mm.
Order no. MN 6839.
Summary: Explains the etiology, epidemiology, symptomatology, diagnosis, treatment, prognosis, prevention, and control of African trypanosomiasis (sleeping sickness) Primarily for medical personnel.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The aggressor force (*Motion picture*) U. S. Dept. of the Army, 1950.
26 min., sd., b&w, 16 mm.
Order no. TF 30–1543.
Summary: Portrays U. S. soldiers acting as the "aggressor force" in troop maneuvers and a tactical operation to free a town from this aggressor force.
Borrow from Army. *Cleared for tv.*

Agricultural engineering—the profession with a future (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.
14 min., sd., color, 16 mm.
Summary: Describes the work of engineers who seek practical solutions to the problems of food and fiber production and processing. Includes scenes of pineapple and sugar-cane harvesting in Hawaii, the new Teflon plow, and interior views of a cotton spindle picker and an ensilage harvester in operation.

Buy or rent from DA Film Libraries. *Cleared for tv.*

Agricultural lifelines (*Motion picture*) U. S. Dept. of Agriculture, 1962.

13 min., sd., color, 16 mm.
Summary: An account of food on the move, picturing trucks, trains, boats, processing plants, distribution centers, markets, and supermarkets as part of a network of operations involved in moving agricultural products from grower to consumer.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Agricultural outlook charts, 1962 (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

164 double fr., color, 35 mm.
Order no. C–82
Summary: Shows the statistical agricultural outlook charts for the United States in 1962 as presented to Agricultural Outlook Conference of November 1961.
Buy from Photo Lab.

The agriculture story (*Motion picture*) U. S. Dept. of Agriculture, 1956.
14 min., sd., color, 16 mm.
Summary: Reviews the development of American agriculture, and explains the services of the U. S. Dept. of Agriculture and the cooperative assistance rendered by land-grant colleges and universities, by State agencies, and by American industry.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Agriculture then and now (*Filmstrip*) U. S. Dept. of Agriculture, 1953.
101 double fr., b&w, 35 mm.
Order no. 707.
Summary: Contrasts various phases of agriculture in the United States 50 years ago with those of today (1953)
Buy from PhotoLab.

Agriculture, U. S. A. (*Motion picture*) U. S. Dept. of Agriculture, 1962.
29 min., sd., color, 16 mm.
Summary: Presents a commemorative tribute to the 100th year of the U. S. Dept. of Agriculture.
Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

Agriculture's showcase abroad (*Motion picture*) U. S. Dept. of Agriculture, 1961.
14 min., sd., color, 16 mm.
Summary: Shows potential users of U. S. farm products as they see, feel, and taste the products which are displayed by the United States at international trade fairs.
Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

Agua, amiga o enemiga (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Spanish version of Water, friend or enemy.
Summary: Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

A água: nosso amigo ou inimigo (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Portuguese version of Water, friend or enemy.
Summary: Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

Ahead of 'em all (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of cabbage. Produced especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Aids to navigation (*Motion picture*) U. S. Coast Guard, 1959.
22 min., sd., color, 16 mm.
Summary: Uses animation and live action to describe various aids to navigation, including lighthouses, lightship radiobeacons, LORAN, elements of the buoyage system and aids used on the Intracoastal Waterway.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Aids to navigation series
see
Buoys and beacons
How to use navigational aids
Lighthouses and lightships

Air brakes: Principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
25 min., sd., b&w, 16 mm.
Order no. TF 9-2064.
Summary: Explains the function of each unit in an air brake system, and traces the compressed air routes.
Borrow from Army. *Buy from* NF.

Air Force cameras in action (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. SFP 630.
Summary: Presents outstanding Air Force events of 1958, including nuclear tests, Projects Manhigh and Farside, space studies, the Lebanon crisis, an Air Force goodwill tour, and successful launchings of a hydrid Thor-Able missile and the Atlas ICBM.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force customs and courtesies (*Motion picture*) U. S. Dept. of the Air Force, 1955.
27 min., sd., b&w, 16 mm.
Order no. TF 1-5027.
Summary: Explains to a high-school graduate the various military customs and courtesies of the U. S. Air Force.
Borrow from AF. *Cleared for tv.*

The Air Force engineer (*Motion picture*) U. S. Dept. of the Air Force, 1957.
29 min., sd., color, 16 mm.
Order no. SFP 346.
Summary: Describes duties of an Air Force engineer at base and staff levels.
Borrow from AF. *Cleared for tv.*

Air Force family housing (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., color, 16 mm.
Order no. SFP 632.
Summary: Shows what the Air Force is doing to provide comfortable, economical, and convenient housing for U. S. Air Force families in the United States.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force firepower (*Motion picture*) U. S. Dept. of Defense, 1951.
9 min., sd., b&w, 16 mm.
On reel with Italy.
Order no. AFSR 133.
Summary: A pictorial record of a demonstration by the U. S. Air Force of planes, bombs, and rockets.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Air Force flight test center (*Motion picture*) U. S. Dept. of the Air Force, 1956.
19 min., sd., color, 16 mm.
Order no. SFP 362.
Summary: Shows tests of planes, materials, and weapons, made at the Mojave Desert Flight Test Center and Edwards Air Force Base.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force fuel and facilities: Aviation fuel dispensing facilities (*Motion picture*) U. S. Dept. of the Air Force, 1957.
24 min., sd., b&w, 16 mm.
Order no. TF 1-5104c.
Summary: Explains the operating principles of hydrant fuel storage dispensing systems; traces the flow of fuel from base fuel storage tanks through strainers and fill line to operating tanks; and demonstrates the various steps fuel goes through in both the single-point and over-the-wing refueling systems.
Borrow from AF. *Cleared for tv.*

Air Force fuel and facilities: Aviation fuel receipt and storage (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. TF 1-5104b.
Summary: Explains activities in the fuel receiving and storage area. Covers gauging of tanks, transfer of fuel from tank car to fuel tank; unloading of fuel from transport trucks, trailers, tanker ships, and barges; various types of vapor control; and safety precautions.
Borrow from AF. *Cleared for tv.*

Air Force fuel and facilities: Aviation fuel supply and transportation (*Motion picture*) U. S. Dept. of the Air Force, 1957.

10 min., sd., b&w, 16 mm.

Order no. TF 1-5104a.

Summary: Outlines procedures for handling various types of aircraft fuel from the oil fields to the refinery and to the air base. Covers transportation of fuel by truck, railroad, and pipelines; general maintenance of oil lines; and coordination of fuel movement by the dispatcher.

Borrow from AF. *Cleared for tv.*

The Air Force heavy press program (*Motion picture*) U. S. Dept. of the Air Force, 1957.

26 min., sd., b&w, 16 mm.

Order no. SFP 389.

Summary: Describes the development and use of heavy press programs since World War II; the construction of the enormous plants; and various forging and extrusion processes.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force industrial medicine in action (*Motion picture*) U. S. Dept. of the Air Force, 1958.

19 min., sd., color, 16 mm.

Order no. TF 1-8170

Summary: Portrays the duties of an Air Force industrial medicine team as its members perform their important mission of maintaining productivity through the promotion of health and the prevention of illness.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force industrial medicine in action: Physical hazards (*Motion picture*) U. S. Dept. of the Air Force, 1961.

33 min., sd., color, 16 mm.

Order no. TF 1-8170c

Summary: Describes physical hazards incidental to industrial operations at an Air Force base. Shows how the industrial physician and the industrial hygiene engineer indoctrinate personnel regarding the undesirable effects of noise, how they keep noise hazards under surveillance, and how they monitor the effects of exposure to noise. Explains the various types of radiation hazards and uses charts to illustrate how ionizing radiation enters the bloodstream and affects the body cells. Shows how abnormalities in temperature, humidity, and pressure affect workers.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force leave and pass policies (*Motion picture*) U. S. Dept. of the Air Force, 1957.

10 min., sd., b&w, 16 mm.

Order no. TF 1-5205.

Summary: Defines types of leaves and passes, explains pertinent regulations, and illustrates the role of the American Red Cross in eliminating unnecessary delays in obtaining emergency leave.

Borrow from AF. *Cleared for tv.*

The Air Force missile mission (*Motion picture*) U. S. Dept. of the Air Force, 1960.

24 min., sd., color, 16 mm.

Order no. SFP 608.

Summary: Explains the current Air Force missile concept and points out why we have so many weapons, what they are for, and how their development serves a dual purpose as a present-day deterrent force and a foundation for future space travel.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force Missile Test Center (*Motion picture*) U. S. Dept. of the Air Force, 1962.

24 min., sd., color, 16 mm.

Order no. SFP 1163

Summary: The story of the Air Force Missile Test Center and the Atlantic Missile Range. Introduced by Gen. Leighton I. Davidson, AFMTC Commander, the film reveals much of the mystery shrouding Cape Canaveral and portrays the role of the Air Force in test launching all U. S. major missiles and space vehicles. Depicts blockhouse activities, a typical Atlas countdown, and launching, tracking, reentry, and nose-cone recovery operations.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 1 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 1.

Summary: Shows various Air Force activities including AF engineers renovating World War II bases in England, AF aiding flood-stricken Tampico, Mexico, and the training of Korean pilots and maintenance men.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 2 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 2.

Summary: Shows various Air Force activities including the landing of a C-124 Globemaster on an icecap, AF housing and recreation in Japan, noise abatement testing tunnels for jet aircraft, and a mobile dental clinic in the Far East.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 3 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 3.

Summary: Shows various Air Force activities including the B-52 jet bomber, the F-101 Voodoo and other aircraft, the testing of auxiliary wheels for new AF fighters, a USAF-RAF soccer game, and air base defense training.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 4 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 4.

Summary: Shows various Air Force activities including the ejection of a test pilot from an F-100 at low altitude, and a demonstration of the C-133A giant transport.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 5 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 5.

Summary: Shows various Air Force activities including a demonstration of air to ground gunnery in Germany, airmen sightseeing in Athens, a driving class for airmen in England, and an Armed Forces swimming meet in Brussels.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 6 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 6.

Summary: Shows various Air Force activities including a maneuver at Thule AF Base in Greenland, weather studies, a flying radar station, and a judo tournament at March AF Base in California.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 7 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

14 min., sd., b&w, 16 mm.

Order no. AFNR 7.

Summary: Shows various Air Force activities including Japan's air defense, Matador launching exercises in Libya, a demonstration of the new XF-104, and airmen fishing in the Bay of Panama.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 8 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

13 min., sd., b&w, 16 mm.

Order no. AFNR 8.

Summary: Scenes of various Air Force activities.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 9 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

13 min., sd., b&w, 16 mm.

Order no. AFNR 9.

Summary: Scenes of various Air Force activities.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 10 (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 10.
Summary: Scenes of various U. S. Air Force activities, including survival schooling, airmen and families moving overseas, aerial tanker refueling three planes, assault capability of C–123, new houses for AF families, off-duty airmen riding broncos, and jets ferrying the Atlantic.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 11 (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 11.
Summary: Scenes of various U. S. Air Force activities, including a stress test of new planes, bestowing of honors to outstanding airmen, weather planes hunting hurricanes, and a national aircraft show.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 12 (*Motion picture*) U. S. Dept. of the Air Force, 1956.
16 min., sd., b&w, 16 mm.
Order no. AFNR 12.
Summary: Scenes of various U. S. Air Force activities, including a talk by General Otto P. Weyland, Commander, Tactical Air Command; demonstration featuring antique planes; Air Force personnel joining Antarctic expedition; airmen skiing; and season's greetings by the Air Force Singing Sergeants.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 13.
Summary: Scenes of U. S. Air Force activities, including delivery of UN troops to Egypt, airlift of Hungarian aid, mechanization of weather records, children's day at Wright-Patterson AFB, Air Force golf competition, and air proving ground firepower demonstration.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 14 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 14.
Summary: Scenes of U. S. Air Force activities, including Hungarian refugee air lift, engineering photography, Wright-Patterson Air Force Base hospital, B–52 record long-range flight, and midget racers.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 15 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 15.
Summary: Scenes of various Air Force activities, including learning methods of sea survival; helping in the polio drive; training German AF; competing in international military sports meet; and the B–52's non-stop flight around the world.

Borrow from AF *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 16 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 16.
Summary: Scenes of various Air Force activities including flight tests of the B–58; display of tactical hospital; AFROTC cadets in pilot training; airmen serving as part-time ministers; AF boxers; and experimental flights in a missile program.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 17 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 17.
Summary: Scenes of various U. S. Air Force activities, including the planning of future weapons, expansion of radar warning net, skiers in Europe, and transfer of Air Force generals to new assignments.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 18 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 18.
Summary: Scenes of various U. S. Air Force activities including the dedication of Schilling Air Force Base; the testing of new approach lights; supplies arriving at Operation Deep Freeze; activation of a new Air Force wind tunnel; and an Air Force team winning a basketball title.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
13 min., sd., b&w, 16 mm.
Order no. AFNR 19.
Contents: "Dummy" snark tests launcher.—Interceptor control taught realistically.—AF helicopters serve White House.—New WAF officers trained.—Mountain top is icing lab.—USAF joins carib EX.—Auto racing attracts airmen.—General Mitchell bombs battleships.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 20 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 20.
Contents: USAF tests Bomarc.—Spirit of St. Louis II sets Atlantic record.—USAF flies in atom test.—Hospital helicopter speeds medical aid.—B–36 reclamation saves AF dollars.—Military aviation celebrates golden anniversary.—F–84F's rock targets in training exercise.—Boxers tangle in AF-wide tourney.—Jets take off straight up.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 21.
Contents: USAF salutes General Twining.—Generals White and LeMay assume new posts.—President rides in new copter.—Wind tunnel stands on end.—AF wife named Mrs. America.—Airmen boost blood drive.—Airmen man T–3 outpost.—USAF cindermen compete.—Cars crash for safety's sake.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 22 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 22.
Contents: Convention highlights of AF anniversary year.—ARDC artist designs air mail stamp.—FEAF moves East.—B–47 displays maneuverability.—Swimmers and divers vie for AF honors.—New song salutes AF blue.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 23 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 23.
Contents: Paramedics show skills.—Rocket sleds aid ejection studies.—Academy cadets tour NATO.—Helicopter research in the roaring 20's.—Air crew spends five days aloft.—Airmen compete in ski meet.—A Thanksgiving hymn.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 24 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 24.
Contents: AF research balloon lifts man 20 miles.—Survival instructors get jungle training.—Student pilots fly jet primary trainers.—AFA gridders meet George Washington University.—AF model plane builders hold world meet.—Basic trainees get AP schooling.—Air power and the Bulge.—Christmas time in the Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 25 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 25.
Contents: KC–135 sets two records.—AF attacks noise problems.—Motorcyclists find tour rules rigid.—Good luck greets airmen anglers.—SAC holds annual bombing world series.—AF contributes to IGY studies.—Rocket seeks space secrets.—The official seal of the United States Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 26 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

14 min., sd., b&w, 16 mm.
Order no. AFNR 26.

Contents: F-101 sets new world speed record.—Airman becomes 100,000th ECI graduate.—Simulators reduce danger speed training.—Rex Riley promoted to Lieutenant Colonel.—Voodoo shatters transcontinental speed record.—Buddhist service held for Air Force heroes.—Safety invention wins award.—Aircrew conditioning ups flight efficiency.—USAF good will tour.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 27 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 27.

Contents: Bob Hope and Jayne Mansfield wow airmen.—Crews simulate matador launching.—Philippine aviation week.—Missilemen graduate.—Photo squadrons get new C-130.—New radome beats typhoon.—Swamp buggy gives thrill rides.—Mobile zebra succeeds.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 28 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 28.

Contents: SAC stands ready.—Airman makes "space trip."—AF seeks services from Asian sources.—Roof raising at AF academy.—Turboprop giant joints MATS.—Airmen "suited" for space flight.—AF careers on exhibit.—Loring airmen laugh at winter.—USAF pushes Thor tests.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 29 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 29.

Contents: Success marks ICBM firing.—Mobile hospital set in six hours.—Visiting students learn English.—Engineerless train serves warehouse.—USAFE uses sentry dogs.—USAF studies space problems.—USAF tests removal vehicle.—Jet class graduates.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 30 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 30.

Contents: Terracruizer supports Mace.—KC-135 demonstrates refueling technique.—Kelly boasts largest hangar.—Airmen build "two-dollar GCA."—Missile records kept by electronic brain.—Sheppard captures AF cage crown.—Highlights from AF ring tourney.—F-100D's deploy to Europe.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 31 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 31.

Contents: Starfighter sets new records.—Airmen fight flooding river.—AF studies sun spots.—Cadets conquer confidence course.—USAF operations in full swing.—USAF recruits prior servicemen.—Firebee aids missile tests.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 32 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 32.

Contents: B-47 co-pilots get gunnery practice.—World War II talisman returns home.—Survey teams use new equipment.—F-100's arrive by the boatload.—USAF salutes civil service.—CAP cadets learn survival lessons.—Ceremonies dedicate McCoy Air Force Base.—PACAF team tops in volleyball.—Cargomaster packs potent payload.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 33 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 33.

Contents: Hybrid missile goes 6000 miles.—Dads taste cadet life.—AF marksmen vie shoulder to-shoulder.—The "airman" tells AF story.—Stratotanker sets another record.—AF technician rides medical circuit.—Airmen get sea fever.—Insignia show missileman status.—Crisis in Lebanon.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 34 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 34.

Contents: Sage activated in New York.—Space studies conducted at Wright Air Development Center.—Student pilot builds one-man gyrocopter.—German pilots train.—AF champ swimmers meet.—World wide Air Force Academy tour.—Atlas goes cross-country.—Pioneer cameraman retires.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 35 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 35.

Contents: USAF beginning Taiwan buildup.—Sergeant boosts community spirit.—Ceremonious recall of early days of flying.—Science seeks space specifications.—AF helps kids get fresh air.—Specialized tools of missile age.—AACS marks anniversary.—Kids pilot soap boxes.—AF association convention.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 36 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 36.

Contents: Research craft shown public.—Kaptain Kan Do Kendo.—Airmen perform at Brussels Fair.—Feature flashes.—USAF launches moon rocket.—USAF encourages teen-age rocketry.—USAF Academy grid stock rises.—Demonstration keys century series.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 37 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 37.

Contents: USAF tests Hi Fly Target.—Down range ships track missiles.—Air Force Academy cadets settle down to routine in new quarters at Colorado Springs.—"Synthetic men" aid science.—Gala days gain goodwill.—Scientists study zero gravity.—AF pulls out of Lebanon.—Hockey invades Southwest.—Big jets set records.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 38 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.
Order no. AFNR 38.

Contents: F-100 uses short runway.—Vandenberg Air Force Base dedicated.—Starfighters scramble.—TAC tests fighter weapons.—SAC holds 10th competition.—Atlas orbits the world.—General White inspecting first British Thor in England.—Demonstration of Century Series fighters starting where no jet starting unit exists.—National Guard's miniature crash truck.—Airmen going to work on scooters at Naha Air Base, Okinawa.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 39 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.
Order no. AFNR 39.

Contents: C-133 smashes cargo record.—Safe driving pays dividends in Japan.—First Thor launched from Vandenberg.—Grade school children get AF namesake.—Thunderchief sets new record.—Fencers compete in Texas.—Falcons end the season at the Cotton Bowl with a tie.—USAF perform in Guatemala on National Aviation Day.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 40 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.
Order no. AFNR 40.

Contents: Eglin launches Bomarc tests.—ATC retires the B-25.—TAO tries "Ski" 130.—AF kids drive midgets.—Tampa festivities feature WAF band.—ANG minutemen prove skilled team.—NATO forces hold ski meet.—First Titan launch success.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 41 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.
Order no. AFNR 41.

Contents: F-105 nears operational status.—New techniques aid Air Force.—X-15 makes captive flight.—Air Force Film Library Center serves USAF.—Air Force supports "Banyan Tree."—ConAC cops cage crown.—Missile tests accelerated.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 42 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 42.
Contents: TAC wins safety award.—Helicopters serve Texas Towers.—Air Force railroad keeps fuel moving.—Reclamation saves Air Force dollars.—Electronics paces the space age.—Air Force tests landing aid.—Airmen develop marksmanship.—SEATO forces show strength.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 43 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 43.
Contents: President visits Air Force Academy.—THOR training for RAF crews.—Clark TV boasts puppets.—Weather rocket tested.—Orientation group tells Air Force story.—Ski show opens summer season.—AFA sponsors World Flight Congress.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 44 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 44.
Contents: USAF Academy graduates first class.—Flying Brothers hold conference.—MATS gets jet transport.—Old timer greets old friend.—Joint exercise thwarts "aggressor."—Reserves name beauty queen.—SAC cuts alert time.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 45 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 45.
Contents: Paris hosts 23rd Air Show.—Boats back AF tests.—Men adn machines make maintenance.—New techniques aid rescue.—Talon begins flight tests—PACAF cops track trophy.—X-15 glides.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 46 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 46.
Contents: Air Rescue Service conducts pararescue tactical effectiveness tests.—Air police receive badges.—Tracking station monitors satellites.—Amateur rocketeers hold meet.—Turks see air show.—TAC and ADC generals retire.—Thor-Able launches "Paddlewheel."
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 47 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 47.
Contents: AF tests B-47 Drone.—Top cash award to TAC pilot.—AFA honors outstanding NCO's.—AF helps quake victims.—Heat studies test man's limit.—AF school teaches sea survival.—Sports drivers show skill.—Atlas aids space research.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 48 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 48.
Contents: First trouble hits Titan.—Floods rack Japan and Formosa.—AF personnel see Holy Robe.—Hercules competes with Noah.—Academy cadets train mascots.—AF grid spirit rivals collegiate.—Kinross becomes Kincheloe AFB.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 49: Highlights 1959 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., color, 16 mm.
Order no. AFNR 49.
Contents: USAF performs at Flight Congress.—AFA graduates first class.—Atlas becomes operational.—Air Force supports airborne exercise.—Grid classic inaugurated.—X-15 makes powered flight.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 50 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
12 min., sd., b&w, 16 mm.
Order no. AFNR 50.
Contents: X-15 makes emergency landing.—West Berlin holds annual police show.—River training gives survival know-how.—ADC-SAC hold "exams."—Airman ranks in ancient art.—USAF visits down under.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 51 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 51.
Contents: Morocco greets President.—Starfighters make long hop.—9th Air Force honors missileman.—USAF sets new records—Canberra tests Bomarc guidance.—Reserves hold troop carrier rodeo.—SAC demonstrates swift reaction.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 54 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 54.
Contents: Big Slam/Puerto Pine—A test of MATS.—Mirrors produce high heat.—Musical ambassadors tour Far East.—City of Sumter aids stadium drive.—Rugby really rugged.—Thor boosts space shots.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 55 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 55.
Contents: SAC crews view with RAF.—Tunnels explore aerospace problems.—Scientist spends week in capsule.—Excelsior studies high altitude escape.—Radio ties planes to SAC headquarters.—Air Force pugilists try for ring crown.—Atlas blasts 9,000 miles.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 56 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 56.
Contents: USAFE shows tactical strength.—Air Force runs big ocean terminal.—USAF planes aid quake victims.—Colonel gets award on polar ice cap.—B-52's perform low-level missions.—Air Force opens communications center.—USAF celebrates Armed Forces Day.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 57 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 57.
Contents: F-105's deployed.—Mace stars on TV.—Airmen learn new ATC methods.—Missiles boost B-52 effectiveness.—Tactical hospital proves mobility.—Dewline sites get supplies.—Avrocar unveiled.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 58 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 58.
Contents: Cape activity at high pace.—Airlift aids Congo refugees.—QB-47 flies target mission.—U. S. Air Force teaching goes automatic.—Atlas added to Smithsonian.—SAC (Strategic Air Command) has headquarters command post airborne.—Discoverers recovered.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 59 (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 59.
Contents: Hurricane Donna plagues Air Force bases and lashes Florida Keys.—AFA cadets get jump training; feature flashes show Armed Forces Day activities, ECI progress, and new technique in driver training.—Minuteman uses mobile launch pad.—Exercise Bright Star/Pine Cone produces efficient results.—USAF emphasizes survival.—Skyshield proves a success.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force news review, no. 63 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., b&w, 16 mm.
Order no. AFNR 63.
Contents: B-52H Skybolt ready for tests.—AFROTC cadets restart Civil War.—AF demonstrates portable homes.—Japanese memorial honors World War II crew.—Atlas sites self-sustaining.—Motorcycle madcaps make mayhem.—WADD tests new space suit.
Borrow from AF. Buy from NF. Cleared for tv.

Air Force news review, no. 64 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

12 min., sd., b&w, 16 mm.
Order no. AFNR 64.
Contents: Minuteman successful on first flight.—Lackland Hospital becomes largest of U. S. Air Force hospitals.—SAC (Strategic Air Command) mounts colorful guard.—ARDC (Air Research and Development Command) tests unusual runway sweeper.—B-58 sets speed records.—Disaster control put to test.
Borrow from AF. Cleared for tv.

Air Force news review, no. 65 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., b&w, 16 mm.
Order no. AFNR 65.
Contents: Starfighter to be drone.—Floridians recruited for AF duty.—SAC planes deploy to civil airports.—13th AF band "sends" Burmese.—Airmen gain honors in pistol meet.—Weather forecasting goes electronic.—Joint Chiefs of Staff host Latin leaders.
Borrow from AF. Cleared for tv.

Air Force news review, no. 66 (*Motion picture*) U. S. Dept. of the Air Force, 19[illegible]

14 min., sd., b&w, 16 mm.
Order no. AFNR 66
Contents: Long Pass provi[illegible] training exercise.—Airminded town has own F-102.—Reserves demonstrate readiness value.—Airmen make trek for tots.—T-30 Ta[illegible] joint ATC.—ATC notches AF cage crown.—Airmen launch Blue Scout.
Borrow from AF. Cleared for tv.

Air Force news review, no. 67 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., b&w, 16 mm.
Order no. AFNR 67.
Contents: X-15 and B-58 Hustler set new records.—Daedalians present Flying Safety Award and Daedalians Maintenance Trophy.—AF sergeant re-ups at 40,000 feet.—Ground trainer employs TV for training pilots.—Airmen dispose of Civil War shells.—Eglin Air Force Base boasts of conservation program.—Titan successfully lauached from silo.
Borrow from AF. Cleared for tv.

Air Force news review, no. 68 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., b&w, 18 mm.
Order no. AFNR 68.
Contents: B-58 and F-105D make news in Europe.—MATS boasts best dining hall.—Airmen train for airbase defense.—Sentry dogs train at Lackland Air Base.—USAF wins inter-service volley ball crown.—F-100 and F-105 provide close air support.
Borrow from AF. Cleared for tv.

Air Force news review, no. 74 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 74
Contents: C-130's evacuate Ice Island.—Home Town News Center begins operations.—Nationalists celebrate Republic's half century.—Missile wing has training on wheels.—All-Air Force crew launches Titan.—Air Force base hosts AFA gridders.—ANG units go active.

Borrow from AF. Cleared for tv.

Air Force news review, no. 76 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 76
Contents: B-52H sets 11 records.—USAF goes for sled ride.—Old meets new in Tonopah.—TAC checks out F-110A.—New "cloud-buster" tested.—Alaskan airmen play softball on snowshoes.—Men get reflex TDY to Spain.

Borrow from AF. Cleared for tv.

Air Force news review, no. 77 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 77
Contents: Operation "Stand in the Door" conducted.—Academy boasts best season.—Town honors Airman of the month.—Air Force tests robots.—Freedom Foundation Awards presented.—No needles or hooks used on Air Force recruits.—B-58 breaks speed records.

Borrow from AF. Cleared for tv.

Air Force news review, no. 78 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 78
Contents: American and German crews exchange ideas.—Thermal simulator convinces pilots.—TAC airmen learn infantry tactics.—MATS employs new loading system.—ADC cagers snare AF crown.—B-58 escape capsule test proves successful.

Borrow from AF. Cleared for tv.

Air Force news review, no. 79 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 79
Contents: Delta Darts boom snow.—AF holds judo tourney.—American and Spanish air defense conduct joint effort.—Major restores ancient craft.—President views AF power.

Borrow from AF. Cleared for tv.

Air Force news review, no. 80 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 80
Contents: Air borne watch unending.—Nurses learn Air Force way.—SAC has base on wheels.—New physical fitness program "shapes up."—Trophies rain on USAF units.—AFA stadium takes form.—Skybolt makes powered flight.

Borrow from AF. Cleared for tv.

Air Force news review, no. 81 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 81
Contents: Huskie sets new records.—AF scuba men find relics.—Friendship Day big success.—AFLC has unusual facilities.—AF tests space equipment.—USAF aids flood victims.

Borrow from AF. Cleared for tv.

Air Force news review, no. 82 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 82
Contents: Reserve Forces return home.—Bomarc B guards New York City area.—AF rainmakers get practical test.—Ten men-thirty days-one capsule.—NORAD chief retires.—AFA cadets get TAC orientation.

Borrow from AF. Cleared for tv.

Air Force News review, no. 83 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order no. AFNR 83
Contents: Survival school boasts realism.—Arnold Center tunnels to space.—Assistance program produces pilots.—Ramstein Air Base wins American Heritage Foundation Award.—Civil divers learn AF procedures.—Troop carrier teams compare skills.

Borrow from AF. Cleared for tv.

Air Force news review, no. 84 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., b&w, 16 mm.
Order.no. AFNR 84
Contents: Summer training proves ROTC cadets.—RAF unit settles at Eglin.—Disaster victims' aid airlifted.—New record for B-58.—Rescue compartment for Texas Towers.—AFA stadium dedicated.—Streamlined CP controls SAC.
Borrow from AF. Cleared for tv.

Air Force news review, no. 85 (*Motion picture*) U. S. Dept. of the Air Force, 1963.

28 min., sd., color, 16 mm.
Order no. AFNR 85

Contents: B–52, B–58 and H–43B set world records.—Reserves welcomed home after Federal recall.—MATS demonstrates heavy airdrops supplies to Tanganyikans.—New York air defense sector gets Bomarc B.—Titan III and X–20 combination planned.—X–15 sets altitude record.—President inspects Eglin's airpower.

Borrow from AF. *Cleared for tv.*

Air Force news review, no. 86 (*Motion picture*) U. S. Dept. of the Air Force, 1963.

11 min., sd., b&w, 16 mm.
Order no. AFNR 86

Contents: Air Force supports U. S. operations in Cuban crisis.—Atlas flies last research and development flight.—Free China participates in joint exercises.—Airlift aids Indian Government.—Helicopter serves Texas Towers.

Borrow from AF. *Cleared for tv.*

Air Force non-destructive testing (*Motion picture*) U. S. Dept. of the Air Force, 1958.

28 min., sd., color, 16 mm.
Order no. TF 1–5226.

Summary: Stresses the importance of quality control inspections, explains various defects and their causes, and demonstrates inspection methods including magnetic particle, fluorescent penetrant, X-ray, and ultrasonic.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: A new Air Force, 1945–1947 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.
Order no. SFP 263–25.

Summary: High lights during the years 1945–47 in the history of the U. S. Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: After the war, 1918–1923 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–2.

Summary: Highlights in the history of the U. S. Air Force during the years 1918 to 1923.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Air power advances, 1935–1937 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–5.

Summary: High lights in the history of the U. S. Air Force during the years 1935 to 1937.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Air war against Japan, 1944–1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–24.

Summary: Highlights in the history of the U. S. Air Force, particularly the bombing of Japan, ending with the surrender of the Japanese.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Between wars, 1930–1935 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–4.

Summary: High lights in the history of the U. S. Air Force during the years 1930 to 1935.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Cold war, 1948–1950 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–26.

Summary: High lights during the years 1948–50 in the history of the U. S. Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: D-day, June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

14 min., sd., b&w, 16 mm.
Order no. SFP 263–19.

Summary: Highlights in the history of the U. S. Air Force, particularly its operations in the invasion of German-held Europe.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Entering the era of missiles (*Motion picture*) U. S. Dept. of the Air Force, 1962.

15 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. 2, chapter 6

Summary: Traces the beginning of modern missiles, showing "The Bug," our first guided missile, and discussing Dr. Goddard's pioneering work with liquid fuel, air-to-air missiles of WW 2, and development of V–1 and V–2. Describes USAF postwar research and progress with portrayals of Mighty Mouse, Falcon, and Genie; Matador and Mace; Snark and Bomarc; and test missiles, X–10 and X–17. Depicts capabilities of USAF arsenal with improved bombers B–47 and B–52, and with intermediate and long range missiles Thor and Atlas.

Borrow from AF *Buy from* NF. *Cleared for tv.*

The Air Force story: Expanding air power, June 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–13.

Summary: High lights in the history of the U. S. Air Force during June 1943, including its expanded training program and the bombing of the island of Pantelleria.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Global operations, 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–12.

Summary: Highlights in the history of the U. S. Air Force during 1943, including its operations against German submarines, the airlift over the Himalayas, and the Solomon Islands campaign.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Korea, the final phase (*Motion picture*) U. S. Dept. of the Air Force, 1960.

14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 4.

Summary: Shows how the U. S. Air Force, with superior tactical and logistical air support, played a large part in helping to end the Korean War.

Borrow from AF. *Buy from* NF.

The Air Force story: Maximum effort, October 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–16.

Summary: High lights in the history of the U. S. Air Force, particularly the bombing of German war plants by the 8th Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Meeting the Red challenge (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 2.

Summary: Highlights events leading up to the Korean War, the communist invasion of South Korea, and the role of U. S. air power in stemming communist aggression in South Korea.

Borrow from AF. *Buy from* NF.

The Air Force story: North Africa, November 1942–May 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

15 min., sd., b&w, 16 mm.
Order no. SFP 263–11.

Summary: Highlights in the history of the U. S. Air Force during the period from November 1942 to May 1943, particularly its operations in North Africa.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: On to the Yalu, June 1950 (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 3.
Summary: Shows high lights of the Korean War during the summer of 1950 and explains the role of the Air Force in pushing the communist troops back to the Yalu River.

Borrow from AF. *Buy from* NF.

The Air Force story: Our world-wide Air Force, 1953–1959 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. 2, chapter 5
Summary: Shows how the continual build-up of Soviet military forces after World War II made necessary an all-out effort by U. S. Air Force to meet this challenge. Scenes covering Air Force activities from 1953 to 1959 show the development of the B–47 and B–52 aircraft, the creation of the North Atlantic Treaty Organization, the development of strategic and tactical missiles, and the growth of SAC's global strike force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Ploesti, March–August 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–20.
Summary: High lights in the history of the U. S. Air Force, particularly the bombing of the Ploesti oil refineries by the 15th Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Prelude to invasion, January–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–18.
Summary: Highlights in the history of the U. S. Air Force, particularly the aerial attacks upon German factories, airdromes, and supply lines.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Prelude to war, 1937–1939 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–6.
Summary: High lights in the history of the U. S. Air Force during the years 1937 to 1939.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Retreat and advance, June 1944–March 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–23.
Summary: Highlights in the history of the U. S. Air Force, particularly the operations of the 5th, 7th, 13th, and 14th Air Forces in the recapture of the Philippines.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Road to Rome, September 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–17.
Summary: High lights in the history of the U. S. Air Force, particularly the operations of the 12th Air Force in Italy.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Schweinfurt and Regensburg, August 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–14.
Summary: High lights in the history of the U. S. Air Force, particularly the bombing of Regensburg and Schweinfurt in August 1943.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Struggle for recognition, 1924–1930 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–3.
Summary: High lights in the history of the U. S. Air Force during the years 1924 to 1930.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Superfort, August 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–21.
Summary: Highlights in the history of the U. S. Air Force, particularly the building of B–29 superforts and their bombing of Japan from air bases in China.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: The AAF fights back, April–July 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–9.
Summary: High lights in the history of the U. S. Air Force during the period from April to July 1942, including the Battle of Midway.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: The Air Force and the atom bomb (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 1.
Summary: Reviews the development of the atomic bomb in 1944, its effect in bringing World War II to a close, and the first extensive postwar atomic tests conducted at the Marshall Islands. Emphasizes the impact of the hydrogen bomb and shows how this new destructive force has changed the nature of warfare.

Borrow from AF. *Buy from* NF.

The Air Force story: The air war starts, 1939–1941 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–7.
Summary: Highlights in the history of the U. S. Air Force during the years 1939 to 1941, concluding with the Japanese attack on Pearl Harbor.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: The beginning (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–1.
Summary: Highlights in the history of the U. S. Air Force, particularly the role of airplanes in World War I.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: The drawing of the battle lines, December 1941 to April 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–8.
Summary: High lights in the history of the U. S. Air Force during the period from December 1941 to April 1942, including Colonel Doolittle's bombing mission over Japan.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: The tide turns, June–December 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–10.
Summary: Highlights in the history of the U. S. Air Force during the period from June to December 1942.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Two years of war, September–December 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–15.
Summary: Highlights in the history of the U. S. Air Force during the period from September to December 1943, particularly its operations in Burma, New Guinea, and Rabaul.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force story: Victory in Europe, June 1944–May 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–22.
Summary: High lights in the history of the U. S. Air Force, particularly the operations of the 8th Air Force in Europe.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Force tactical firepower (*Motion picture*) U. S. Dept. of the Air Force, 1963.
12 min., sd., b&w, 16 mm.
Order no. SFP 1164
Summary: Flashbacks of tactical air power since World War I show how fighters and interceptors contributed significantly to Allied victories. Points out, using gun camera footage, how fast and flexible firepower cuts supply lines, provides air cover for ground forces, and destroys enemy positions and targets. Emphasizes the increasing ability of USAF's modern aircraft.
Borrow from AF *Buy from* NF. *Cleared for tv.*

The Air Force takes care of its own (*Motion picture*) U. S. Dept. of the Air Force, 1957.
22 min., sd., color, 16 mm.
Order no. SFP 400.
Summary: Describes the development mission, and organizational structure of the Air Force Dependents' Assistance Program, and presents several problems encountered by dependents of military personnel.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Force technical order system (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., b&w, 16 mm.
Order no. TF 1–5105.
Summary: Explains the U. S. Air Force technical order system, including a library of some 35,000 technical manuals, how they are filed, and how to find the manual needed for a specific job.
Borrow from AF. *Buy from* NF.

The Air Force uniform (*Motion picture*) U. S. Dept. of the Air Force, 1958.
26 min., sd., color, 16 mm.
Order no. TF 1–5207.
Summary: Describes the various Air Force uniforms and accessories and the regulations concerning their use.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air Masses (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
80 fr., b&w, 35 mm.
Order no. SN 815.
Summary: Explains the formation of low and high pressure areas; discusses rain, the formation of ice, and the occurrence of radiation, advection, and upslope fogs.
Borrow from Navy.

Air operations in the Antarctic (*Motion picture*) U. S. Dept. of the Navy, 1960.
16 min., sd., color, 16 mm.
Order no. MN 8775.
Summary: Discusses the variety and scope of air operations in the Antarctic, and describes in detail ground operations, preflight check, preheating, starting, taxiing, take-off, landing, parking, and securing.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Air pattern Pacific (*Motion picture*) U. S. Army Air Forces, 1945.
42 min., sd., b&w, 16 mm.
Order no. SFP 121.
Summary: Portrays the operations of the 13th U. S. Air Force during Word War II, including bombing missions at Guadalcanal, rescues at sea, and the fight against malaria.
Borrow from AF. *Cleared for tv.*

Air pilotage (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
70 fr., b&w, 35 mm.
Order no. SN 810.
Summary: Explains how to read aeronautical maps and charts and how to plot a course between two points.
Borrow from Navy.

Air power (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.
18 min., sd., b&w, 16 mm.
Order no. SFP 228.
Summary: Traces the history and development of the U. S. Army Air Forces through World Wars I and II, and emphasizes its importance today.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air power American (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Rafael G. Wolff Studios.
14 min., sd., color, 16 mm.
Order no. SFP 274.
Summary: An animated film reviewing the history of air power, explaining its meaning to the people of the United States, and stressing the importance of the U. S. Air Force.
Borrow from AF. *Cleared for tv.*

Air power and armies (*Motion picture*) U. S. Army Air Forces, 1945.
60 min., sd., b&w, 16 mm.
Order no. TF 1–3447.
Summary: Pictorial explanation of the role of air power in modern warfare and its specific relationship to land power. Describes the offensive and defensive use of aircraft, and the concepts of strategic and tactical air power. Analyzes the role of air power in the El Alamein campaign.
Borrow from AF.

Air Proving Ground Command (*Motion picture*) U. S. Dept. of the Air Force, 1957.
12 min., sd., color, 16 mm.
Order no. SFP 394.
Summary: Shows the operations of the Air Proving Ground Command at Eglin Air Force Base, Florida, and the testing of weapons, components, and equipment.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Air Reserve Forces (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., color, 16 mm.
Order no. SFP 620.
Summary: Discusses the mission of the Air Reserve Forces—citizen airmen from the 50 States and Puerto Rico—which includes approximately 500,000 officers and airmen of the Air Force Reserve and 68,000 officers and airmen of the Air National Guard.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Air science in action (*Motion picture*) U. S. Dept. of the Air Force, 1953.
14 min., sd. b&w, 16 mm.
Order no. SFP 279.
Summary: Explains the activities of the Air Research and Development Command of the U. S. Air Force and the cooperative efforts of civilian science, government research, and military research.
Borrow from AF. *Cleared for tv.*

Air siege (*Motion picture*) U. S. Dept. of the Air Force, 1947.
22 min., sd., b&w, 16 mm.
Order no. SFP 175.
Summary: A documentary record of the bombing of the Ploesti oil fields and refineries by the U. S. 15th Air Force during World War II. Includes scenes taken from captured German films of the damage caused by the bombing.
Borrow from AF. *Buy from* NF.

Air start check valve, cylinder relief valve, and indicator cock (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series. Benchwork)
Order no. MN 3691–g.
Summary: How to disassemble and reassemble the air start check valve, cylinder relief valve, and the indicator cock; and test the cylinder relief valve.
Borrow from Navy. *Buy from* NF.

Air swinging and curve data for the SCR–269–AC (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

34 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1–657.

Summary: Tells how to determine (using the method of "air swinging") the radio compass deviations for a particular aircraft, and how to plot these values as a curve to give the compass deviation corrections for any heading.

Borrow from AF.

Air tanker attack (*Motion picture*) U. S. Dept. of Agriculture, 1960.

21 min., sd., color, 16 mm.

Summary: Shows how the air tanker, properly managed and coordinated according to established safety requirements, is used as an effective tool in control of forest fires.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Air traffic (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 20)

Summary: Discusses some of the problems encountered in air traffic today, and presents possible solutions to these problems. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Air traffic control procedures (*Motion picture*) U. S. Dept. of the Air Force, 1960.

30 min., sd., b&w, 16 mm.

Order no. TF 1–5350.

Summary: Outlines air traffic control responsibilities of pilots and controllers and points out the growing complexity of air traffic problems. Discusses VORTAC and TACAN preflight, inflight, arrival, and departure procedures.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The airborne magnetometer (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

24 min., sd., b&w, 16 mm.

A long version with the same title also released in 1952.

Summary: Explains briefly and in nontechnical language how the earth's magnetic field is utilized in prospecting. Describes the airborne equipment developed to detect changes in the earth's magnetic field and shows how this equipment is used.

Borrow from GS. *Cleared for tv.*

The airborne magnetometer (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

34 min., sd., b&w, 16 mm.

A short version with the same title also released in 1952.

Summary: Explains briefly and in nontechnical language how the earth's magnetic field is utilized in prospecting. Describes the airborne equipment developed to detect changes in the earth's magnetic field and shows how this equipment is used.

Borrow from GS.

The airborne soldier (*Motion picture*) U. S. Dept. of the Army, 1956.

33 min., sd., b&w, 16 mm.

Order no. TF 31–2126.

Summary: Depicts the basic paratrooper training course given at Fort Benning, Ga., from the time the trainees arrive to completion of training and the wing award ceremony. Includes parachute landing falls, jump techniques, control of parachute during descent; emergency landing techniques, and execution of qualifying jumps from aircraft in flight.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Aircraft accident investigation (*Motion picture*) U. S. Dept. of the Air Force, 1957.

37 min., sd., b&w, 16 mm.

Order no. TF 1–8150.

Summary: Explains that simple, human errors are the cause of most aircraft accidents, many of which are triggered by the personal problems of the pilot. Shows that the medical investigator must seek out and determine the mental and emotional aspects behind these human errors and make recommendations which will prevent such accidents from happening again. In detective story fashion, demonstrates the techniques of medical investigation in two cases of deaths resulting from preventable accidents.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aircraft engine operation (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

67 fr., b&w, 35 mm.

Order no. FS 1–72.

Summary: Gives procedures for starting up, warming up, ground testing, and stopping aircraft engines.

Borrow from AF. *Buy from* NF.

Aircraft engine pumps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

38 fr., b&w, 35 mm.

Order no. FS 1–60.

Summary: Explains the construction, operation, and maintenance of coolant, oil, fuel, and vacuum pumps in an airplane; and the mechanism and function of the relief valve.

Borrow from AF. *Buy from* NF.

Aircraft engine repairs: Classification of engine types (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

34 fr., b&w, 35 mm.

Order no. FS 1–9.

Summary: Explains methods of classifying aircraft engines as to type: in-line, V-type, double V-type, X-type, opposed, and radical

Borrow from AF. *Buy from* NF.

Aircraft engine troubles: General (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

56 fr., b&w, 35 mm.

Order no. FS 1–66.

Summary: Describes common engine troubles in the compression and ignition systems; causes of improper compression; and ignition troubles caused by defective spark plugs.

Borrow from AF. *Buy from* NF.

Aircraft engine troubles: Starting (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

62 fr., b&w, 35 mm.

Order no. FS 1–82.

Summary: Difficulties in starting aircraft engines related to cold weather, carburetor, compression, ignition, and starter; and methods of overcoming such difficulties.

Borrow from AF. *Buy from* NF.

Aircraft engines series
see
Carburetion
Elements of electricity as applied to ignition systems

Aircraft familiarization: T2J–1 Buckeye, aircraft systems (*Motion picture*) U. S. Dept. of the Navy, 1960.

13 min., sd., color, 16 mm.

Order no. MN 8817–a.

Summary: Introduces the Naval air basic training student to the T2J–1 Buckeye and its aircraft systems. Describes in diagrammatic detail the fuel, oil, hydraulic, and electrical systems.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aircraft familiarization: T2J–1 Buckeye, carrier procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

10 min., sd., color, 16 mm.
Order no. MN 8817–e.

Summary: Shows paddles-controlled and mirror approaches for carrier landings in the T2J–1 Buckeye. Demonstrates carrier deck handling procedures between arrested landing and catapulting, pilot techniques for maneuvering T2J–1 onto the catapult, and standard cockpit procedures prior to launch.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aircraft familiarization: T2J–1 Buckeye, emergency procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

10 min., sd., color, 16 mm.
Order no. MN 8817–b.

Summary: Demonstrates simulated in-flight emergencies in the T2J–1 Buckeye for the benefit of the Naval air basic training flight student. Includes engine failure with air start procedures, fire, failure of the aircraft systems, remedial procedures, and operation of the pilot escape (ejection seat) system.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aircraft familiarization: T2J–1 Buckeye, field carrier landing procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

11 min., sd., color, 16 mm.
Order no. MN 8817–d.

Summary: Describes the detailed patterns for landing procedures and demonstrates the flight techniques to be utilized by the Naval air basic training student in flying paddles-controlled and mirror approaches in field carrier landing procedures for the T2J–1 Buckeye. Illustrates LSO signals and mirror "meatball" positions with in-flight responses required of the student pilot.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aircraft familiarization: T2J–1 Buckeye, operating procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

22 min., sd., color, 16 mm.
Order no. MN 8817–c.

Summary: Takes a Naval air basic training student through initial familiarization flight in the T2J–1 Buckeye. Demonstrates complete preflight inspection of aircraft, pre-start cockpit check, engine start, taxiing, take-off, stall, spin, roll, let-down to landing approach, final landing, and shut-down procedure.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Aircraft firefighters and rescue procedures (*Motion picture*) U. S. Dept. of the Air Force, 1955. Released for public educational use 1961.

20 min., sd., color, 16 mm.
Order no. TF 1–4985.

Summary: Shows latest firefighting and rescue techniques for typical aircraft fires involving conventional fuel.

Borrow from AF. *Cleared for tv.*

Aircraft in flight (*Filmstrip*) U. S. Civil Air Patrol, 1957.

63 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 10 min. microgroove.

Based on Civil Air Patrol instructor's guide of the same title.

Summary: Discusses the principle of flight; explains stability, stress, and drag; and shows various types of instruments used in aircraft.

Buy from CAP.

Aircraft lubricants and lubricating equipment (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

26 fr., b&w, 35 mm.
Order no. SN 1969.

Summary: Shows various types of lubricants and equipment used in airplane maintenance.

Borrow from Navy. *Buy from* NF.

The aircraft magneto: Theory and operation of the four-pole magneto (*Motion picture*) U. S. Army Air Forces, 1944.

30 min., sd., b&w, 16 mm.
Order no. TF 1–3638.

Summary: Shows the relationship between the magneto and the airplane electrical system, and explains magnetism, magnetic flux, induction, Lenz's law, static and resultant flux.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aircraft maintenance series
see Aircraft work series. Aircraft maintenance.

The aircraft observer's place in the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1954.

26 min., sd., b&w, 16 mm.
Order no. SFP 311.

Summary: Explains the function of the aircraft observer and follows a preflight student through his navigation, electronics, and flight training, which qualifies him as navigator, bombardier, and radarman on a B–47 crew.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aircraft pressurization (*Motion picture*) U. S. Dept. of the Air Force, 1954. Released for public educational use 1961.

24 min., sd., b&w, 16 mm.
Order no. TF 1–4969.

Summary: Discusses components of bomber and jet pressurization systems, including instantaneous decompression and the relationship between pressurization and aircraft design.

Borrow from AF.

Aircraft quarantine (*Motion picture*) U. S. Public Health Service, 1947.

15 min., sd., color, 16 mm.
Order no. 4–045.

Summary: Stresses the danger of the entrance of disease vectors into the U. S. by international air transportation. Outlines combative measures used before the arrival of passengers; quarantine inspection after arrival; and periodic checks for vectors which may have escaped from landing planes.

Borrow from PHS.

Aircraft storage batteries (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

54 fr., b&w, 35 mm.
Order no. FS 1–17.

Summary: Describes types of batteries used on airplanes, and their operating principles. Explains the function of the container, plates, separators, electrolyte, vents, and terminals. Describes methods of charging and testing.

Borrow from AF. *Buy from* NF.

Aircraft tachometers (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

65 fr., b&w, 35 mm.
Order no. FS 1–553.

Summary: Explains the principles of operation, maintenance, and points of installation of the four basic types of tachometers (chronometric, centrifugal, electric voltmeter, and electric magnetic-drag) in general use by the U. S. Army Air Forces in 1943.

Borrow from AF.

Aircraft tires. Part 1: Maintenance and repair (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

35 fr., b&w, 35 mm.
Order no. SN 491–a.

Summary: Shows the types of tires, tubes, and rims; tire tools; how to make minor tube repairs; and the importance of periodic inspection and proper inflation.

Borrow from Navy. *Buy from* NF.

Aircraft tires. Part 2: Maintenance and repair (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1944.

57 fr., b&w., 35 mm.
Order no. SN 491–b.

Summary: Demonstrates procedures in demounting, repairing, and remounting tires.

Borrow from Navy.

Aircraft tires and tubes: Shop inspection, storage, and disposition (*Motion picture*) U. S. Dept. of the Air Force, 1956.

7 min., sd., b&w, 16 mm.
Order no. TF 1-5106c.

Summary: Shows a central tire shop where tires and tubes are rigidly inspected and checked for serviceability. Describes procedures for inspecting, testing, and storing tires and tubes.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aircraft work series

see

- Tube bending by hand

Aircraft work series. Aircraft maintenance

see

- Adjustments after check flight
- Attaching and aligning wings
- Connecting and adjusting controls
- Inspecting and adjusting hydraulic brakes
- Installing and aligning tail surfaces
- Installing landing gear
- Making sheet metal repairs
- Patching fabric
- Patching plywood
- Repairing a wooden rib
- Repairing aircraft tires
- Repairing and relining mechanical brakes
- Repairing structural tubing
- Splicing a wooden spar

Aircraft work series. Assembling and riveting

see

- Assembling in a jig: Drilling and riveting
- Assembling in a jig: Fitting and lining up
- Blind riveting
- Dimpling and countersinking
- Drilling with portable drill motors
- Driving and bucking rivets
- Removing defective rivets
- Spot welding
- Squeeze riveting: Stationary and portable riveters

Aircraft work series. Blanking sheet metal

see

- Blanking sheet metal on the squaring shear
- Blanking sheet metal with hand snips
- Blanking with rotary and high speed shears
- Blanking with the swing arm router

Aircraft work series. Control cables

see

- Making a five tuck splice
- Making a wrapped and soldered splice
- Swaging cable terminals

Aircraft work series. Finishing

see

- Using a portable spray gun

Aircraft work series. Forming sheet metal

see

- Finish forming by hand
- Forming on a hand operated brake
- Forming on rotary machines
- Forming on the stretching machine
- Forming with a drop hammer
- Forming with rubber on the hydraulic press

Aircraft work series. Inspection

see

- Hardness testing: Rockwell
- Inspection of minor assemblies
- Inspection of plumbing and piping
- Inspection of sheet metal parts
- Inspection of threads

Aircraft work series. Metal fabrication

see

- Fabricating metal aircraft

Aircraft work series. Power plant maintenance

see

- Disassembling the engine
- Engine change: Installation
- Engine change: Removal
- Inspecting and reconditioning piston assembly
- Inspecting and reconditioning valve assembly
- Overhauling camshaft assembly and crankcase section
- Overhauling crankshaft assembly
- Overhauling the carburetor
- Reassembling the engine
- Removing and inspecting cylinders
- Servicing a propeller
- Servicing and timing magnetos
- Servicing spark plugs and ignition wiring
- Trouble shooting problems: Fuel induction
- Trouble shooting problems: Ignition
- Trouble shooting problems: Mechanical and lubrication

Aircraft work series. Preventive maintenance

see

- The airplane mechanic
- Periodic inspection: Airplane
- Periodic inspection: Engine
- Preflight inspection: Airplane
- Preflight inspection: Engine
- Servicing an airplane

Aircraft work series. Templates

see

- Filing template metal
- Making a master contour template
- Making a master developed layout, part 1
- Making a master developed layout, part 2; and making the form block
- Sawing template metal

Aircraft work series. Wood fabrication
see
Building a box beam spar
Building a wooden rib
Laying out and forming plywood
Wing assembly: The bow tip
Wing assembly: The inboard panel
Wing assembly: The nose section

Airfield flexible pavement (*Motion picture*) U. S. Army Engineers, 1955.
54 min., sd., color, 16 mm.
Summary: Shows design fundamentals of flexible pavement and basic tests that are performed on base, subbase, and subgrade; phases of the production and testing of asphaltic concrete; grading; compaction of subgrades, subbases, and base courses; and laying and testing of surface courses.
Borrow from Eng. *Cleared for tv.*

Airplane cockpit instruments and controls. Part 1: Primary (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
44 fr., b&w, 35 mm.
Order no. FS 1-377.
Summary: Gives the name, function, and location of the cockpit instruments in the primary trainer (PT-19A) used by the U. S. Army Air Forces.
Borrow from AF.

Airplane cockpit instruments and controls. Part 2: BT-13A basic trainer (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
40 fr., b&w, 35 mm.
Order no. FS 1-321.
Summary: Deals with the names, functions, and locations of cockpit instruments in the BT-13A basic trainer.
Borrow from AF.

Airplane cockpit instruments and controls. Part 3: Advanced single engined (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
34 fr., b&w, 35 mm.
Order no. FS 1-378.
Summary: Gives the name, function, and location of the cockpit instruments in the advanced single engined trainer (AT-6) used by the U. S. Army Air Forces.
Borrow from AF.

The airplane engine (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.
33 fr., b&w, 35 mm.
Order no. SN 2799.
Summary: Explains briefly the basic principle of operation of all internal combustion gasoline engines, and the principle of four-stroke cycle operation.
Borrow from Navy.

Airplane flight control surfaces and wing flaps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
65 fr., b&w, 35 mm.
Order no. FS 1-29.
Summary: Shows and explains the location, construction, and operation of primary and secondary control surfaces of an airplane; and the types, construction, and operation of wing flaps and slots.
Borrow from AF. *Buy from* NF.

Airplane hydraulic brakes: Types, construction, and action (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
31 min., sd., b&w, 16 mm.
Order no. TF 1-305.
Summary: Principles of operation and parts of the Bendix single and duo servo brakes; Hays single shoe, single and duo servo; single and double expander tube brakes; and Goodyear disc type brakes.
Buy from NF.

Airplane ignition (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
62 fr., b&w, 35 mm.
Order no. SN 800.
Summary: Shows the basic operating principles and maintenance of the ignition system.
Borrow from Navy. *Buy from* NF.

The airplane mechanic (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
9 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 278.
With instructor's manual. Supplemented by filmstrip of the same title.
Summary: Duties, skills, and responsibilities of an airplane mechanic.
Buy from NF.

The airplane mechanic (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
44 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 278-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Airplane structures: Control surfaces (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.
7 min., sd., b&w, 16 mm.
Order no. TF 1-700.
Summary: Explains construction, location, and functions of ailerons, rudders, tail flaps, wing flaps, vertical fins, elevators, and horizontal fins. Shows the covering of these surfaces with fabrics, and discusses the functions of the fixed and adjustable trim tabs.
Borrow from AF *Buy from* NF. *Cleared for tv.*

Airplanes, their metals, fuels, and lubricants (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1944.
37 min., sd., b&w, 16 mm.
Order no. 211.
Summary: Tells a story of a group of boys interested in building model airplanes and how they learned about the metals used in constructing airplanes, the building of an all-cargo plane, the theory of flight and laws of aerodynamics, and the importance of lubricants in the operation and maintenance of aircraft. Film ends with a competitive meet of model plane builders.
Borrow from BM. *Cleared for tv.*

Airports, airways, and electronics (*Filmstrip*) U. S. Civil Air Patrol, 1957.
63 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 13 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
Summary: Describes air traffic regulations and procedures and the use of electronic devices in air piloting and navigation problems.
Buy from CAP.

Airways aids (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
73 fr., b&w, 35 mm.
Order no. SN 816.
Summary: Traces briefly the development of airways, markers, and beacons, and discusses some of the course lights, runway markers, and obstruction lights in use today (1943)
Borrow from Navy.

Alaska (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFIF 59.
Summary: Discusses the historical background of Alaska, its current social, economic, and military status, and its strategic significance as an Arctic outpost of the United States.
Borrow from Army. *Cleared for tv.*

Alaska and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp. Released by U. S. Bureau of Mines, 1961.

26 min., sd., color, 16 mm.
Order no. 254
Summary: Describes Alaska's vast timber resources, the current state of its agriculture, the importance of fishing to its economy, the potential worth of its abundant water resources, the historic search for minerals of value, and the recent intensive exploration for oil and natural gas. Includes views of Eskimo life and of the cities, roads, parks, and educational institutions of Alaska.

Borrow from BM. *Buy through* BM. *Cleared for tv.*

Alaska: Newest of the United States of America (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

18 min., sd., b&w, 16 mm.
Summary: Describes the climate, geography, industries, and people of Alaska. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Alaska pipeline (*Motion picture*) U. S. Army Engineers, 1956.

29 min., sd., color, 16 mm.
Summary: Concerns the construction of the ALCANCO, the farthest north commercial-sized pipeline stretching across 626 miles of American and Canadian territory between Haines and Fairbanks, Alaska. Shows the design and construction problems posed by permafrost, floods, terrain, short construction seasons, and length of the supply lines; and describes the economic and strategic purposes of the pipeline.
Borrow from Eng. *Cleared for tv.*

The Alaska Railroad (*Motion picture*) U. S. Dept. of the Interior and the Alaska Railroad, 1956. Made by Louis R. Huber.

15 min., sd., color, 16 mm.
Summary: Presents the story of the modern, all diesel, government-owned and operated Alaska Railroad, which runs from Seward to Fairbanks. Includes scenes of Anchorage, Fairbanks, and other areas served by the railroad.
Borrow from DI–AR.

Alaskan air fortress (*Motion picture*) U. S. Dept. of the Air Force, 1953.

23 min., sd., color, 16 mm.
Order no. SFP 308.
Summary: Describes the weather conditions and operating problems at the major Air Force bases in Alaska—Elmendorf, Eielson, and Ladd.
Borrow from AF. *Cleared for tv.*

Alaskan patrol (*Motion picture*) U. S. Coast Guard, 1957.

28 min., sd., color, 16 mm.
Summary: Shows the Coast Guard on Bering Sea patrol in the Alaskan area, protecting the Pribilof seal herds, enforcing halibut fishing regulations, and providing medical aid for the Eskimos. Includes scenes of Eskimos at work, showing how they live; and of a Nalukatuk dance.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Albeni Falls Dam (*Motion picture*) U. S. Army Engineers, 1956.

28 min., sd., color, 16 mm.
Summary: A travelogue-type documentary film which takes a visitor through the completed project on the Pend Oreille River in northern Idaho, and explains how it was started, constructed, and now functions.
Borrow from Eng. *Cleared for tv.*

Alert in the Pacific (*Motion picture*) U. S. Dept. of the Air Force, 1961.

15 min., sd., color, 16 mm.
Order no. SFP 626.
Summary: Describes the growing strength of Russian air power and explains how PACAF (Pacific Air Forces) stands ready to strike the first defensive blow.
Credits: Narrator, Walter Cronkite.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aleutian manning (*Motion picture*) U. S. Dept. of the Air Force, 1962.

30 min., sd., color, 16 mm.
Order no. SFP 1105
Summary: An account of the men who operate the radar outposts along the Aleutian Islands, explaining that these outposts, originally designed for operation by 500 men, are manned by a crew of 150 with topmost efficiency through maximum use of man's potential, elimination of unnecessary reports, and the application of other time-saving devices appropriate to this tour of duty.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Algebra, the international language
see Beginning algebra I, lecture 1 [-2]: Algebra, the international language

Algo para mañana (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

11 min., sd., b&w, 16 mm.
English version released under the title Something for tomorrow.
Summary: Describes the lives of migrant farm workers and their importance in American agriculture; explains the benefits which they receive from old age and survivors insurance.
Borrow from SSA.

Alias the killer (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Apex Film Corp.

13 min., sd., b&w, 16 mm.
Summary: Explains the need for community traffic safety programs, the elements of traffic safety, and the procedures followed by citizens in a hypothetical community.
Borrow from PCTS. *Cleared for tv.*

Alice in Numberland (*Motion picture*) U. S. Dept. of Agriculture, 1962.

14 min., sd., color, 16 mm.
Summary: Pictures a homemaker who is confused and frustrated by the numbers she must contend with in making out a grocery list, explaining how she learns that the system of producing and distributing food is guided by these numbers.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Aligning and installing auxiliary machinery (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 2)
Order no. OE 96.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out foundations for machinery installation; drill bolt holes; establish centers for holes for drilling; and align machines accurately on foundations.

Buy from NF.

Aligning and installing auxiliary machinery (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

42 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 2)
Order no. OE 96–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

All star team (*Motion picture*) U. S. Dept. of the Army, 1955.

24 min., sd., b&w, 16 mm.
Order no. MF 20–8420.
Summary: Explains the organization and functions of the U. S. Army in combat and in peacetime, including induction, basic training, elements of the infantry, activities of the combat arms, and the technical and supply services. Prepared for recruiting purposes.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Alliance for peace (*Motion picture*) SHAPE, 1952. Released for public use in the United States through U. S. Dept. of Defense and U. S. Office of Education, 1952.

38 min., sd., b&w, 16 mm.

Summary: Explains the background, mission, and objectives of the Supreme Headquarters, Allied Powers, Europe, composed of the North Atlantic Treaty Organization countries.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Along our shores (*Motion picture*) U. S. Coast Guard, 1945.

15 min., sd., color, 16 mm.

Known also as The Coast Guard at war; part 1; Along our shores.

Summary: Reviews the 1941–45 wartime activities of the U. S. Coast Guard within the continental limits and off the shores of the United States.

Borrow from CG.

Alouette (*Motion picture*) U. S. Dept. of Agriculture, 1951.

1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 2)

Summary: Animated cartoon, featuring the character Smokey Bear and the tune Alouette, emphasizing forest fire prevention. Prepared primarily for television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Alternating current (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

50 fr., b&w, 35 mm.

Order no. FS 1–86.

Summary: An elementary introduction to the principles of alternating current. Demonstrates and explains Lenz' law, simple wave alternator, frequency, effective valve, voltage-current-time relationship, and power.

Borrow from AF. *Buy from* NF.

Aluminum (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

10 min., sd., b&w, 16 mm.

Summary: Shows the manufacture of aluminum—the importation of bauxite, its transmutation into alumina and aluminum sheeting, and use in war planes.

Buy from NF.

Aluminum: Mine to metal
see
This is aluminum

Alveolectomy after multiple extraction of teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

6 min., sd., color, 16 mm. (Dento-alveolar surgery series)

Order no. PMF 5217.

Summary: Shows teeth with advanced periodontal disease being extracted, and presents the conservative preparation of the alveolar ridge for dentures by demonstrating surgical procedures for establishing a ridge of uniform height with smooth even contours after multiple extraction of teeth. For dental personnel.

Borrow from Army.

Alveolectomy and multiple pathology (*Motion picture*) U. S. Dept. of the Army, 1952.

18 min., sd., color, 16 mm. (Dento-alveolar surgery series)

Order no. PMF 5219.

Summary: Demonstrates problems in the removal of teeth from pathological bone and in the proper repair of ridge tissues. For dental personnel.

Borrow from Army.

Alveolectomy in extraction of isolated teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

11 min., sd., color, 16 mm. (Dento-alveolar surgery series)

Order no. PMF 5218.

Summary: Demonstrates the extraction of isolated teeth, and presents a method of ridge preparation for dentures with a minimal excision of the supporting alveolar bone. Shows a dental bridge being made. For dental personnel.

Borrow from Army. *Buy from* NF.

Amalgam restoration (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

13 min., sd., color, 16 mm. (Operative dentistry series, no. 4)

Order no. MN 5369–d.

Summary: Shows method for trituration of amalgam by electrical means; removal of matrix, carving, and polishing of restoration. Explains reasons for use of various pluggers; dangers of contamination and improper handling; manual and mechanical condensation. For dental personnel.

Borrow from Navy. *Buy from* NF.

The Amazon awakens (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

34 min., sd., color, 16 mm.

Summary: A documentary film of the Amazon River Basin, its history, industrial progress, natural resources, and possibilities for the future.

Buy from NF. *Cleared for tv. Prior authorization required.*

Ambition (*Motion picture*) U. S. Dept. of the Army, 1958.

7 min., sd., b&w, 16 mm.

Order no. TF 16–2737.

Summary: Dramatized story illustrating the concept of ambition. Made for use by Army chaplains.

Borrow from Army.

America enters World War I
see American history II, lecture 11: America enters World War I

America (My country 'tis of thee) (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

27 fr., b&w, 35 mm.

Order no. 673.

With lecture notes.

Summary: Words and illustrative scenes of the song. For 4–H club work.

Buy from PhotoLab.

America the beautiful (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

52 fr., color, 35 mm.

Order no. C–77

Summary: Uses scenes from each of the 50 United States to illustrate how good conservation practices have changed the agricultural landscape.

——— Another issue, double fr.

Buy from Photo Lab.

American anniversary (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

15 min., sd., b&w, 16 mm.

Order no. OF 53.

Summary: Dramatized story of a young immigrant in America and of how he rose to a position of leadership in his factory and community.

Borrow from Army. *Buy from* NF.

The American broiler-fryer—modern food miracle (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

35 fr., color, 35 mm.

Order no. C–91

Summary: Discusses the story behind today's American broiler-fryer, pointing out the advances in production, processing, and marketing.

Buy from Photo Lab.

733-201 O - 64 - 3

American farm home life (*Filmstrip*) U. S. Dept. of Agriculture, 1946.
62 fr., b&w, 35 mm.
Order no. 669.
With lecture notes.
Summary: Gives a general picture of modern home life on American farms.
Buy from PhotoLab.

American First Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR-B-30.
Summary: Scenes of the American 1st Army's advance from Aachen to the Roer River in World War II. Covers activities of the 1st, 9th, 28th, 83rd, and 104th Divisions, and the 3rd Armored Division.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

American history I, lecture 1: Europe finds and explores a new world (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Presents the historical background of Europe prior to the discovery and exploration of America; discusses the growth of the Spanish and French empires in the New World.
Buy from NF. *Cleared for tv.*

American history I, lecture 2: The English colonies dominate North America (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses England's colonial policy and her struggle for an empire in North America, showing how England and France aimed to dominate the New World.
Buy from NF. *Cleared for tv.*

American history I, lecture 3: The colonists develop a life of their own (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the inhabitants of colonial America; shows how they lived and how they modified European cultural traditions; discusses the government in the colonies.
Buy from NF. *Cleared for tv.*

American history I, lecture 4: England's American policy leads to revolt (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses England's colonial policy before and after 1763.
Buy from NF. *Cleared for tv.*

American history I, lecture 5: The War for Independence (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the formation of the Continental Army, the relative strength of the British and American positions at the outbreak of hostilities, the major military campaigns of the Revolutionary War, and the end of the war.
Buy from NF. *Cleared for tv.*

American history I, lecture 6: The critical period; the Articles of confederation to the Constitution (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Presents the critical period which preceded the union of the American Colonies under a compact provided for in the Articles of confederation; discusses the problems arising prior to the ratification of the Constitution.
Buy from NF. *Cleared for tv.*

American history I, lecture 7: The Federalists launch the new government (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the launching of the new government by the Federalists after the War of Independence and discusses the diverging ideas on the nature of the Federal Union.
Buy from NF. *Cleared for tv.*

American history I, lecture 8: Republicans strengthen the Nation at home and abroad (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the political conflict of 1800 and the concept of Jeffersonian democracy; explains that as the Nation grew stronger, there arose a new spirit of nationalism, initiating an era of good feeling.
Buy from NF. *Cleared for tv.*

American history I, lecture 9: Growing national unity is checked by sectional differences (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the emergence of sectionalism in the United States, and the election of 1824, with a sectional line-up on candidates.
Buy from NF. *Cleared for tv.*

American history I, lecture 10: Andrew Jackson dominates the political scene (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the success of Jacksonian democracy and discusses the problems of government under the leadership of Andrew Jackson.
Buy from NF. *Cleared for tv.*

American history I, lecture 11: Changes occur in the American economic life (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses American agriculture, the coming of the industrial revolution, and improvements in transportation and communication after the time of Andrew Jackson.
Buy from NF. *Cleared for tv.*

American history I, lecture 12: Changes in American society and culture (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the development of American letters, the impulse to reform, and the anti-slavery movement.
Buy from NF. *Cleared for tv.*

American history I, lecture 13: The Nation expands to the Pacific (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses American frontiers, including the expansion of the trappers' frontier, the settlement of the West, the acquisition of Texas, and the annexation of Oregon. Describes the Mexican War.
Buy from NF. *Cleared for tv.*

American history I, lecture 14: The slavery issue leads to Southern secession (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Reviews the development of the anti-slavery issue. Discusses the status of slavery in the territories, the Compromise of 1850, the slavery controversy as it moved toward a climax, and the election of 1860.
Buy from NF. *Cleared for tv.*

American history I, lecture 15: The North and South fight a bitter war (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Pictures the national situation at Lincoln's inauguration; describes the clash of arms and the War between the States; discusses the problems on the home front.
Buy from NF. Cleared for tv.

American history I, lecture 16: The Southern States are restored to the Union (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses Lincoln's reconstruction program, the conditions in the South at the end of the war, the controversy of Johnson and Congress, and the carpetbagger and scalawag governments in the South.
Buy from NF. Cleared for tv.

American history I, lecture 17: Pioneers settle the last frontier (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the mining frontier, the cowboy and sodhouse frontier, and the Indian problem.
Buy from NF. Cleared for tv.

American history I, lecture 18: The rise of modern industrial America (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the basis for revolutionary changes in American industries which resulted in increased production, developments in transportation and communication, and the rise of big business. Discusses the economic problems of a complex system of production, the tariff policies in an age of industrialization, the demands for regulation of business and industry, and the growth of organized labor.
Buy from NF. Cleared for tv.

American history I, lecture 19: The farmer increases production but suffers hard times (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the rising discontent of the American farmer and the agricultural revolution; explains how the farmers and the silver interests joined forces; and discusses the "free silver" campaign of 1896.
Buy from NF. Cleared for tv.

American history I, lecture 20: American society at the turn of the century (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 13 mm.
Summary: Describes the American population in 1900 and shows some characteristics of American society at the turn of the century.
Buy from NF. Cleared for tv.

American history II, lecture 1: The political arena, 1865–1900 (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the American political setting during the age of industrialization and business consolidation, and discusses the course of politics from 1865–1900.
Buy from NF. Cleared for tv.

American history II, lecture 2: The United States continues its policy of isolation (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains how the United States applied the Monroe doctrine in relations with Latin America, and how the country acquired overseas possessions; discusses the Nation's relationships with Great Britain.
Buy from NF. Cleared for tv.

American history II, lecture 3: The rise of modern industrial America (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses improvements in the United States in transportation, communication, and production. Describes the great depression.
Buy from NF. Cleared for tv.

American history II, lecture 4: The role of government in the economic life of the country (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the laissez-faire system, the modern industrial economy, and labor practices of the twentieth century.
Buy from NF. Cleared for tv.

American history II, lecture 5: Problems of finance and foreign trade in an industrial economy (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the problems of currency and banking of foreign trade, and of tariff.
Buy from NF. Cleared for tv.

American history II, lecture 6: Problems of agriculture and conservation in an industrial economy (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the increases in farm production, the effect of increased production on the continuing problems of agriculture, and the preservation of natural resources.
Buy from NF. Cleared for tv.

American history II, lecture 7: Modern American society and culture (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses population trends, social reforms which accompany social change, achievements in science and education, and the growth of American art, music, and literature.
Buy from NF. Cleared for tv.

American history II, lecture 8: The United States adopts a policy of imperialism (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the Spanish-American War, the terms of peace, and the acquisition of Spanish possessions. Describes how the United States Government handled the newly won territories of Puerto Rico and the Philippines; traces the relations of the United States and Cuba.
Buy from NF. Cleared for tv.

American history II, lecture 9: America's relations with her neighbors to the south (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes American interests in the Panama Canal, the Caribbean, and Central America; discusses the relations of the United States and Mexico, and the building of hemispheric solidarity.
Buy from NF. Cleared for tv.

American history II, lecture 10: America's Far Eastern policy (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the "open door" policy, Chinese hostility towards foreigners, and American relations with Japan.
Buy from NF. Cleared for tv.

American history II, lecture 11: America enters World War I (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the outbreak of World War I in Europe, the difficulties in maintaining neutrality, the entrance of the United States into the war, Wilson's fourteen points, and the armistice in November 1918.
Buy from NF. Cleared for tv.

American history II, lecture 12: American reaction to treaty of Versailles; return to isolation (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the problems of peace, the four nations dominating the peace conference, the American reaction to the treaty of Versailles, the disarmament conferences, and the Kellogg-Briand peace pact.
Buy from NF. Cleared for tv.

American history II, lecture 13: International anarchy and America's entry into World War II (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the rise of modern dictatorships and the attitude of the United States toward these dictatorships. Discusses the war in Europe, American reactions to the war, and the entry of the United States into World War II.
Buy from NF. Cleared for tv.

American history II, lecture 14: World War II and after (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the beginning of World War II, the entry of the United States in December 1941 and the opening months of 1942; explains how the American home front became geared to an all-out war; discusses the road to victory in Europe and in the Pacific, and the winning of the peace.
Buy from NF. Cleared for tv.

American history II, lecture 15: American politics, 1900–1920; the progressive movement (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the background and political aspects of the progressive movement in the United States; discusses Theodore Roosevelt and the "square deal"; discusses the campaign of William Howard Taft, the democratic victory, and the political reforms of the progressive movement.
Buy from NF. Cleared for tv.

American history II, lecture 16: American politics, 1920–1932; the conservative reaction (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the significance of the election of 1920 and the return to normalcy, the evidences of reaction to the progressive movement, the problems facing the country, the Harding scandals, the growing dissatisfaction in the Nation, and the election of 1932.
Buy from NF. Cleared for tv.

American history II, lecture 17: Roosevelt and the New Deal (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes the background of Franklin D. Roosevelt's election and his taking office; discusses the categories of New Deal legislation, the opposition to the New Deal, and the Supreme Court controversy; and explains how Roosevelt broke the two-term tradition.
Buy from NF. Cleared for tv.

American history II, lecture 18: The United States in today's world (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses problems confronting the United States after World War II and the continuing problems which faced the Eisenhower administration.
Buy from NF. Cleared for tv.

The American nautical almanac for the year 1943 (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.
64 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min. (Navigation series)
Order no. SN 83-s.
Summary: How to use the almanac and apply the information obtained to determine the Greenwich hour angle of the planets Jupiter and Vega and the moon.
Borrow from Navy. *Buy from* NF.

American newsboy (*Motion picture*) U. S. Dept. of State, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
Summary: Portrays an American boy taking over a newspaper route and learning the fundamentals of conducting a business. Contains scenes of the newspaper route and of the newsboy's home, and emphasizes cooperation in American families. Prepared for overseas use.
Buy from NF.

American Ninth Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR-B-29.
Summary: Scenes of the American 9th Army's advance from Aachen to the Roer River in World War II.
Borrow from Army. *Buy from* NF.

American painting in history (*Filmstrip*) U. S. National Gallery of Art, 1959.
60 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 60 min.
With lecture notes.
Summary: Six lectures, ten frames each, about the best known works of American art in the National Gallery of Art interspersed with 22 frames of houses, public buildings and means of transportation. Designed to be used in fifth grade history classes.
Borrow from NGA.

American politics, 1900–1920
see American history II, lecture 15: American politics, 1900–1920; the progressive movement

American politics, 1920–1932
see American history II, lecture 16: American politics, 1920–1932; the conservative reaction

An American portrait (*Motion picture*) U. S. Dept. of State, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.
62 min., sd., b&w, 16 mm.
Summary: Dramatized portrayal of an American workman, a mechanic, and his advancement from job to job. By means of flashbacks, shows why and how he changed jobs and the meaning of such changes to him and his family. Emphasizes his initiative and desire for a higher standard of living, and his achievement of success. Prepared for overseas use.
Buy from NF.

American reaction to treaty of Versailles
see American history II, lecture 12: American reaction to treaty of Versailles; return to isolation

American scene series
see
A better tomorrow
The Cummington story
Freedom to learn
The Library of Congress
Northwest U. S. A.
Steel town
Swedes in America
Tuesday in November

American society at the turn of the century
see American history I, lecture 20: American society at the turn of the century

The American soldier in combat (*Motion picture*) U. S. Dept. of the Army, 1960.

29 min., sd., b&w, 16 mm.

Order no. AIF 11.

Summary: Discusses the combat history of the American fighting man from the early days of the struggle for independence to the present era. Portrays campaigns that the American soldier has taken part in, and discusses the circumstances leading to them, the participation of our fighting men, and the outcome. Covers the American Revolution, War of 1812, Mexican War, Civil War, Indian wars, Spanish-American War, capture of Pancho Villa, World Wars I and II, and the Korean war.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

American success story
see
Synthetic rubber

America's Far Eastern policy
see American history II, lecture 10: America's Far Eastern policy

America's relations with her neighbors to the south
see American history II, lecture 9: America's relations with her neighbors to the south

America's untapped asset (*Motion picture*) U. S. President's Committee on Employment of the Physically Handicapped, 1953.

14 min., sd., b&w, 16 mm.

Summary: Shows how persons with a physical disability can be successfully employed, and gives illustrations of jobs being performed by disabled workers in the offices of Bankers Life and Casualty Co., Chicago.

Borrow from PCPH.

Ames Aeronautical Laboratory in action (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

28 min., sd., color, 16 mm.

Summary: Reviews developments in aeronautical research in the United States, particularly in the transonic and supersonic speed ranges; pictures wind tunnel and flight experiments conducted at the NACA Ames Aeronautical Laboratory at Moffet Field, Calif., including flight tests of jet-airplanes, and the research program on airplane de-icing.

Borrow from NASA.

Ammunition supply point (ASP) operation (*Motion picture*) U. S. Dept. of the Army, 1954.

25 min., sd., b&w, 16 mm.

Order no. TF 9–1859.

Summary: Shows the operation of a typical U. S. Army ammunition supply point in the receipt and issue of ammunition, including the receipt of ammunition by rail, handling the receipt of ammuniton by truck, issue of ammunition to a using unit in the field, and the importance of reports in connection with stock inventories and surveillance missions.

Borrow from Army. *Buy from* NF.

Amperes, volts, and ohms (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

8 min., sd., b&w, 16 mm. (Radio technician training series. Elementary electricity)

Order no. MN 1540–u.

Supplementary filmstrip of same title also available.

Summary: Explains the meaning, relationship, and measurement of amperes, volts, and ohms.

Borrow from Navy. *Buy from* NF.

Amperes, volts, and ohms (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

23 fr., b&w, 35 mm. (Radio technician training series. Elementary electricity)

Order no. SN 1540–au.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Amphibian aircraft water operations: Open sea (*Motion picture*) U. S. Dept. of the Air Force, 1956.

22 min., sd., color, 16 mm.

Order no. TF 1–5046b.

Summary: Shows what a rescue commander and his crew must know before attempting open sea operations, including how to determine the length of swells and their speed in knots, open sea take-offs including JATO, transfer of supplies from boat to plane, selecting good touchdown spots, taxi runs of various types, and take-offs under various conditions.

Borrow from AF. *Cleared for tv.*

Amphibian aircraft water operations: Sheltered aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1956.

34 min., sd., color, 16 mm.

Order no. TF 1–5046a.

Summary: Shows where, how, and in what direction to land the SA–16 Albatross on water, and conditions under which landings should not be attempted at all. Includes the following: how to judge water conditions, wind direction, and speed; checking for debris; taxiing on water; anchoring; towing procedures; instrument water landings; crosswind take-offs and landings; downwind take-offs and landings; use of reverse thrust; and JATO and circular take-offs.

Borrow from AF. *Cleared for tv.*

The amphibious marines (*Motion picture*) U. S. Marine Corps, 1952. Made by U. S. Dept. of the Navy.

21 min., sd., b&w, 16 mm.

Order no. MH 6778.

Summary: Portrays the history of the amphibious operations of the U. S. Marines from 1775 to 1952.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Amputations series
see
Guillotine amputation of the lower extremity
Revision and reamputation of the lower extremity
The upper extremity

The anaesthesiologist positions the patient (*Motion picture*) U. S. Veterans Administration, 1959.

22 min., sd., color, 16 mm.

Summary: Describes the various standard positions, equipment, and techniques for correct positioning of patients for varied types of surgery.

Borrow from VA.

Analysis for calcium (*Motion picture*) U. S. Dept. of the Navy, 1957.

12 min., sd., color, 16 mm.

Order no. MED 8–57.

Summary: Demonstrates the step-by-step procedures of two basic operations in analysis for calcium: the standardization of potassium permanganate solution, and the determination of calcium in serum.

Borrow from Navy.

Analysis of the effect of focal plane shutter on photographs recorded with the NACA high-speed camera (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

20 min., sd., b&w, 16 mm.

Order no. TF 21.

Revision of the 1946 silent film with the same title.

Summary: Explains the effect of focal plane shutter on photographs taken at the rate of 40,000 frames per second with the NACA high-speed camera. For technical personnel, to be used with NACA Report 856; the NACA high-speed motion-picture camera optical compensation at 40,000 photographs per second.

Borrow from NASA.

Anatomy and physiology: The digestive system (*Filmstrip*) U. S. Dept. of the Army, 1952.
50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-134.
Summary: Through drawings explains the digestive system and its organs, and the mechanical and chemical action on food to prepare it for use by the body.
Borrow from Army.

Anatomy and physiology: The lymphatic system (*Filmstrip*) U. S. Dept. of the Army, 1953.
35 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 8-132.
Summary: Describes the anatomy and physiology of the lymphatic system. Discusses the vital importance of tissue fluid which passes into the lymphatics to form lymph. Explains how the lymphatic vessels serve as a drainage system; how the activities of the lymphatic vessels, blood vessels, and various other organs are coordinated; the effect of the skeletal system and breathing upon the lymphatic vessels; and how the lymph nodes defend the body against the spread of infection.
Borrow from Army.

Anatomy and physiology: The male reproductive system (*Filmstrip*) U. S. Dept. of the Army, 1953.
34 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. SFS 8-136.
Summary: Explains by means of charts the anatomy and physiology of the human male reproductive system. For medical organizations and allied groups.
Borrow from Army.

Anatomy and physiology: The muscular system (*Filmstrip*) U. S. Dept. of the Army, 1954.
48 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 11 min.
Order no. SFS 8-129.
Summary: Explains the functioning and structure of the muscular system, including striated or skeletal muscles which control voluntary movement, smooth muscles which control involuntary action, and cardiac muscles which control heart movement; characteristics of contractility and irritability; and tonus in skeletal muscles.

Borrow from Army. *Buy from* NF.

Anatomy and physiology: The respiratory system (*Filmstrip*) U. S. Dept. of the Army, 1953.
46 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 8-154.
Summary: Describes the anatomy and physiology of the respiratory system. Explains and illustrates in detail the exchange of oxygen for carbon dioxide through the respiratory system, covering the mechanism and routes governing internal and external respiration. Discusses the action of the diaphragm, the pleura, and the respiratory center in connection with the lungs. Defines the various types of breathing—accelerated (hyperpnea), regular (eupnea), and labored (dyspnea); and the cessation of breathing caused by shock, drowning, or suffocation (apnea)
Borrow from Army.

Anatomy and physiology: The skeletal system (*Filmstrip*) U. S. Dept. of the Army, 1955.
58 fr., color, 35 min. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.
Order no. SFS 8-131.
Summary: Describes the anatomy and physiology of the skeletal system, including functions of bones, characteristics and functions of various types of bones, and characteristics and functions of the axial skeleton and appendicular skeleton.

Borrow from Army. *Buy from* NF.

Anatomy and physiology: The urinary system (*Filmstrip*) U. S. Dept. of the Army, 1956.
28 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. SFS 8-133.
Summary: Discusses the anatomy and physiology of the urinary system, explaining how wastes are formed and eliminated from the body. Covers the location, physical characteristics, and functioning of each of the organs in the system: kidneys, ureters, urinary bladder, and urethra.

Borrow from Army. *Buy from* NF.

The anatomy of aggression (*Motion picture*) U. S. Information Agency, 1961. Made by Allegro Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.

29 min., sd., b&w, 16 mm.
Summary: Reviews Communist activities during the past 15 years and emphasizes the conflicts between democracy and totalitarianism.
Buy from NF. *Cleared for tv. Prior authorization required.*

The anatomy of the honeybee (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
33 fr., b&w, 35 mm.
Order no. 151.
With lecture notes.
Summary: Shows the structure and parts of the worker, queen, and drone.
Buy from PhotoLab.

Anchors aweigh (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
3 min., sd., b&w, 16 mm.
Summary: The U. S. Navy song, sung off-screen by Conrad Thibault, against appropriate scenes of naval operations at sea.
Buy from NF.

The ancient curse (*Motion picture*) U. S. Dept. of State, 1952. Made by Educational Film Corp. of America. Released for educational use in the United States through U. S. Office of Education, 1952.
44 min., sd., b&w, 16 mm.
Summary: Emphasizes the importance of international cooperation in extending health benefits throughout the world, and explains the work of the World Health Organization with particular reference to the anti-malaria campaign in Thailand. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Ancylostoma caninum in the intestine of the dog (*Motion picture*) U. S. Public Health Service, 1952.
5 min., sd., b&w, 16 mm.
Order no. M 115.
Summary: Depicts the blood-sucking activities and copulation of adult hookworms in the intestine of the dog. A study film for biologists and parasitologists.

Borrow from PHS. *Buy from* NF.

And now Miguel (*Motion picture*) U. S. Information Agency, 1953. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1954.
63 min., sd., b&w, 16 mm.
Summary: Story of an American family in the Southwest to whom the traditions of sheep-raising have come down through generations from Spanish ancestors. Portrays their family life and the fulfillment of young Miguel's dream of being accepted on an equal footing by his father and older brothers. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Andrew Jackson dominates the political scene
see American history I, lecture 10: Andrew Jackson dominates the political scene

Animals for research (*Motion picture*) U. S. Dept. of the Army, 1958.
28 min., sd., color, 16 mm.
Order no. PMF 5322.
Summary: Describes the procedures and techniques employed in breeding disease-free animals for use in scientific research projects, including the methods and principal factors involved in establishing and maintaining a disease-free colony, techniques and equipment used in breeding, and the transportation of the animals to research laboratories.
Borrow from Army.

Animals in rocket flight (*Motion picture*) U. S. Dept. of the Air Force, 1953.

14 min., sd., b&w, 16 mm.

Order no. SFP 316.

Summary: Record of an experiment in which two monkeys and two white mice were enclosed in an Aerobee rocket sent to a height of 37 miles. Shows their physical reactions measured by instruments during the flight, and their return, unharmed, by parachute to the ground.

Borrow from AF. *Cleared for tv.*

Annual R&D progress report, 1959 (*Motion picture*) U. S. Dept. of the Army, 1960.

25 min., sd., color, 16 mm.

Order no. MF 11–9616.

Summary: A film report on the achievements of the U. S. Army Signal Research and Development Laboratory during 1959, highlighting accomplishment in space electronics, combat communications, surveillance, components, and exploratory research.

Borrow from Army. *Cleared for tv.*

Annual R&D progress report, 1960 (*Motion picture*) U. S. Dept. of the Army, 1961.

30 min., sd., color, 16 mm.

Order no. MF 11–9624.

Summary: A film report on the progress made by the U. S. Army Signal Research and Development Laboratory during 1960, including accomplishments in combat communications, surveillance, electronic components, exploratory research, and space electronics.

Borrow from Army.

Another light (*Motion picture*) U. S. Public Health Service, 1952. Made by Film Documents.

24 min., sd., b&w, 16 mm.

Summary: Tells the story of a small town and its new hospital, showing in particular the reactions of an elderly farmer, a housewife, and a businessman. Explains how the people of the town helped raise construction funds, how the hospital serves the people of the community, and how the people support the hospital.

Borrow from PHS.

Antarctic living (*Motion picture*) U. S. Navy Dept., 1959.

13 min., sd., color, 16 mm.

Order no. MED 1–59.

Summary: A brief report on everyday life during recent years on one of the big Antarctic stations. Shows the preparations which are made for the long winter, the construction of buildings and special scientific installations, and the maintenance of vehicles. Includes views of the snow-covered continent and shows where the men work, play, eat, and sleep.

Borrow from Navy. *Cleared for tv.*

Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

5 min., sd., color, 16 mm. (Dentistry series)

Order no. MN 4352–c.

Summary: Demonstrates construction of acrylic bridgework for one or two teeth; explains simplified procedures; and presents techniques of carving a model in a patient's mouth. For dental personnel.

Borrow from Navy. *Buy from* NF.

Antigen analysis by cellulose chromatography and gel-diffusion of hydatid fluid (*Motion picture*) U. S. Public Health Service, 1962.

27 min., sd., color, 16 min.

Order no. Mp/545.

Summary: A visual report of a research project on the analysis of antigens in hydatid fluid, demonstrating the techniques of cellulose chromatography and gel diffusion.

Credits: Director, Graham Heid; authors of research project, Irving Kagan, Lois Norman.

Borrow from PHS. *Buy from* NF.

Anyone for nursing? (*Motion picture*) U. S. Public Health Service, 1957.

17 min., sd., color, 16 mm.

Order no. FG 280.

Summary: Describes the nursing programs of the U. S. Public Health Service.

Borrow from PHS. *Buy from* Byron.

Anytime—anything—anyplace (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.

Order no. SFP 634.

Summary: Portrays the functions and services of the Military Air Transport Service.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Aphasia series
see
Introduction to aphasia
Social adjustment for the aphasic patient
Testing and individual therapy for the aphasic patient

Appalachian Trail (*Motion picture*) U. S. Dept. of State, 1951. Made by Mitchell Film Associates. Released for public educational use through U. S. Office of Education, 1952.

11 min., sd., b&w, 16 mm.

Summary: Explains the development and purpose of the Appalachian Trail, extending over 2,000 miles through the Appalachian Mountains along the eastern coast of the United States; and includes scenes of campers, hikers, and explorers using the trail as a mountain playground. Prepared for overseas use.

Buy from NF.

An apple a day (*Motion picture*) U. S. Dept. of Agriculture, 1952.

6 min., sd., color, 16 mm. (Consumer education shorts)

Summary: Explains the selection, care, and uses of apples. Produced especially for use on television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Apple handling methods (*Motion picture*) U. S. Dept. of Agriculture, 1954.

30 min., sd., color, 16 mm.

Summary: Summarizes the results of research conducted in apple packing and storage houses in the Pacific Northwest to develop improved work methods, devices, and equipment for handling apples. Portrays developments brought about by this research, including a mechanical lift for high-piling and breaking-out piled boxes of apples.

Rent from DA film libraries. *Buy from* DA.

An apple is like a bag of eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

32 double fr., b&w, 35 mm.

Order no. 701.

Summary: Explains the need for careful handling of apples from producer to consumer.

Buy from PhotoLab.

Apple packing methods (*Motion picture*) U. S. Dept. of Agriculture, 1955.

28 min., sd., color, 16 mm.

Summary: Summarizes the results of research conducted in apple packing and storage houses in the Pacific Northwest to develop improved work methods and equipment for sorting, sizing, accumulating, and packing apples. Show a reverse roll sorting table with adding lanes and cull chutes, a "float-roll" sorting table, a transverse roll sizer, a system of return flow belts for accumulating fruit, and an automatic box filler. Depicts various packing room operations such as dumping, lidding, labeling, and tallying.

Rent from DA film libraries. *Buy from* DA.

Application of Pascal's law, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

13 min., sd., b&w, 16 mm. (Elementary hydraulics series)

Order no. MN 1730–c.

Summary: Reviews Pascal's law and demonstrates its application in the operation of a hydraulic system.

Borrow from Navy. *Buy from* NF.

Application of Pascal's law, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1730-d.
Summary: Demonstrates Pascal's law, using two output pistons; explains the principles of hydraulic brakes and the hydraulic jack.
Borrow from Navy. Buy from NF.

Application of simultaneous equations
see Beginning algebra I, lecture 16: Application of simultaneous equations

Applying the army leg splints (*Filmstrip*) U. S. War Dept., 1945.
37 fr., b&w, 35 mm.
Order no. FS 8-99.
Summary: Demonstrates application of the U. S. Army leg splint on a subject.
Borrow from Army.

Appointment in Tokyo (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
55 min., sd., b&w, 16 mm. (Campaign reports series)
Order no. CR 4.
Summary: Historical film record of General MacArthur's operations from the fall of Corregidor in 1942 to the surrender of Japan in 1945.
Borrow from Army. Buy from NF.

Appraisal of the hazards of friction-spark ignition of aircraft crash fires (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.
16 min., si. at sd. speed, color, 16 mm.
Summary: Demonstrates the rapidity with which some metals commonly used in aircraft construction can produce friction sparks capable of igniting combustible liquids that might be spilled in an airplane crash. For technical personnel, to be used with NACA Technical note 4024: Appraisal of the hazards of friction-spark ignition of aircraft crash fires.
Borrow from NASA.

Appraising soils for soil absorption systems (*Motion picture*) U. S. Public Health Service, 1953.
18 min., sd., b&w, 16 mm. (Individual sewage disposal systems, no. 2)
Order no. M 29-b.
Summary: Explains the theory of soil absorption demonstrates soil absorption characteristics and tests; discusses the relationship of test findings to the size and construction of the tile absorption field.
Borrow from PHS. Buy from NF.

Apprehension and search of persons (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. TF 19-2287.
Summary: Depicts the techniques employed by military police in the apprehension and search of offenders. Dramatized incidents show the military policeman's demeanor in taking persons into custody and in conducting searches of 3 types—frisk, wall search, complete search. Shows the use of handcuffs and the proper disposition of female offenders.
Borrow from Army.

Apprentice training (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.
30 min., sd., b&w, 16 mm.
Summary: Illustrates the major features of a planned apprentice training program in the U. S. construction industry, and portrays the steps in advancing through apprenticeship to journeyman status in the brick-laying trade. Prepared for overseas use.
Buy from NF.

An approach to understanding dynamics (*Motion picture*) U. S. Veterans Administration, 1950.
34 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 3)
Summary: Depicts an interview between a patient and a psychiatrist; analyzes the dynamics of the interview; and explains the patient's reactions to certain experiences and the meaning of these reactions to the psychiatrist. For professional personnel only.
Borrow from VA. Buy from NF.

Architects of peace (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.
23 min., sd., b&w, 16 mm.
Order no. AFIF 109.
Summary: Describes the vital role of the Department of State in the area of international diplomacy, including the organization, scope, and operations of the Department and the training and responsibilities of foreign service officers in this country and in embassies around the world. Concludes with a statement by Dean Rusk, Secretary of State.
Borrow from Army. Buy from NF. Cleared for tv.

Arctic airlift (*Motion picture*) U. S. Dept. of the Air Force, 1959.
11 min., sd., color, 16 mm.
Order no. SFP 619.
Summary: Depicts the training necessary to keep the Military Air Transport Service planes and crews geared to their wartime airlift mission in support of SAC (Strategic Air Command) activities in the Arctic; shows how MATS conducts this training.
Borrow from AF. Buy from NF. Cleared for tv.

Arctic engine oil (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
7 min., sd., b&w, 16 mm.
Order no. FB 9-221.
Summary: Traces the development and testing of a new arctic engine oil at Fort Churchill, Canada; explains how it functions and gives the proper lubrication schedule.
Borrow from Army. Buy from NF.

Arctic igloo (*Motion picture*) U. S. Dept. of Defense, 1948.
10 min., sd., b&w, 16 mm.
On reel with Something about a soldier.
Released also under the title Construction of Arctic igloo (order no. FB 220)
Order no. AFSR 95.
Summary: The construction of an Arctic igloo.
Borrow from Army. Buy from NF. Cleared for tv.

Arctic igloo
see also
Construction of Artic igloo

Arctic indoctrination school, winter 1950 (*Motion picture*) U. S. Dept. of the Army, 1950.
15 min., sd., b&w, 16 mm.
Order no. MF 20-7725.
Summary: Highlights of the U. S. Army's Arctic indoctrination school conducted at Big Delta, Alaska, during the winter of 1950, including snowshoe and ski techniques, bivouac in the snow, constructions of various types of shelters, and other winter exercises.
Borrow from Army. Cleared for tv.

Arctic rampart (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. RTAF 148.
Condensation of the U. S. Dept. of the Army motion picture with title Operation Blue Jay, order no. MF 45-7947.
Summary: Describes the construction of a United States air base at Thule, Greenland, during 1952, and emphasizes its strategic military significance. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army. Buy from NF. Cleared for tv.

Arctic shipping: MSTS Arctic operations (*Motion picture*) U. S. Dept. of the Navy, 1958.
25 min., sd., color, 16 mm.
Order no. MN 8647–b.
Summary: Describes the major problems encountered during Arctic sea lifts for the resupply of weather stations and military bases and for the construction of DEWLINE sites. Includes discussion of aerial reconnaissance, hydrographic surveys, outfitting and preparation of ships, cargo operations, training of crews, good seamanship, and preparation for wintering in.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Are you really a man? (*Motion picture*) U. S. Dept. of the Army, 1959.
7 min., sd., b&w, 16 mm.
Order no. TF 16–2738.
Summary: Dramatized story illustrating the concept of courage. Made for use by Army chaplains.
Borrow from Army.

Area poisoning (*Motion picture*) U. S. Public Health Service, 1954.
9 min., sd., b&w, 16 mm. (Rodent control, no. 7. Practical rat control, no. 4)
Order no. M 37.1–f (2).
Revision of motion picture Rat killing, produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
Summary: Discusses the uses of such rodenticides as red squill, ANTU, arsenic trioxide, 1080 water, and warfarin.
Borrow from PHS. *Buy from* NF.

The Argonaut (*Motion picture*) U. S. Atomic Energy Commission, 1957.
15 min., sd., color, 16 mm.
Summary: Explains that the Argonaut (Argonne's nuclear assembly for university training) is a low power training-research reactor, the need for such a reactor in the AEC's program, and its applications to the International School of Nuclear Science and Engineering at Argonne. Describes design features, operation, and some of its applications.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Argonne fast source reactor (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by Argonne National Laboratory.
9 min., sd., color, 16 mm.
Summary: Explains that the fast source reactor is a laboratory source of neutrons—not an experimental reactor—with a power level of 1000 watts. Describes the reactor assembly and its usefulness as a readily available source of neutrons in a wide range of flux levels and flux spectra.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

The Argonne gamma irradiation facility (*Motion picture*) U. S. Atomic Energy Commission, 1957.
20 min., sd., color, 16 mm.
Summary: Explains that the Argonne gamma irradiation facility utilizes the radiation from fission products to provide a gamma irradiation flux up to 2 million roentgens per hour for research purposes and that irradiation service is made available to private and governmental research organizations. Shows how the intense gamma rays from spent fuel elements removed from the MTR are used at Argonne for irradiation services and describes the arrangement for handling the fuel elements and the samples to be irradiated.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Arizona and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1955. Made by Frederick K. Rockett Co.
28 min., sd., color, 16 mm.
Revision of the 1948 film with the same title.
Summary: Shows panoramic views of Arizona; principal copper-producing centers; the drilling, blasting, loading, crushing, smelting, and refining of copper; agriculture, irrigation, Indian life, national monuments, etc.
Borrow from BM. *Cleared for tv.*

Armed Forces Day (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFSM 551.
Summary: Pays tribute to the Armed Forces on the 10th anniversary of their unification under the Dept. of Defense; stresses the role of the Armed Forces as a force for peace; and shows American servicemen stationed throughout the world acting as emissaries of good will.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed forces of the U. S. A. (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.
23 min., sd., b&w, 16 mm.
Order no. AFIF 9.
Summary: Shows the place of the armed forces in the U. S. Governmental organization—their roles and missions.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed forces screen magazine—Linguists in uniforms and Clara Barton, angel of mercy (*Motion picture*) U. S. Dept. of Defense, 1962.
21 min., sd., b&w, 16 mm.
Order no. AFSM 597
Summary: Presents a report on the Army Language School in California. Portrays the story of Clara Barton and her heroic work on the battlefields of the Civil War.
Borrow from AF. *Cleared for tv.*

Armed Forces screen magazine, no. 501 (*Motion picture*) U. S. Dept. of Defense, 1952.
17 min., sd., b&w, 16 mm.
Order no. AFSM 501.
Summary: Shows the U. S. Navy's role in traffic control on the Rhine River; four-wheel landing gear on Army liaison planes; a ribbon parachute; a helicopter delivering patients to a hospital ship; an airborne guided missile; and Armed Forces personnel skiing in Japan and the Alps.
Borrow from Army. *Cleared for tv.*

Armed Forces screen magazine, no. 502 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.
24 min., sd., b&w, 16 mm.
Order no. AFSM 502.
Summary: Shows an M48 Patton tank, the U. S. S. Wisconsin in action off the coast of Korea, service personnel competing for places on U. S. Olympic teams, and dog training in the Army.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 503 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.
13 min., sd., b&w, 16 mm.
Order no. AFSM 503.
Summary: Discusses developments in vest armor and lightweight rifles, research in air currents, transportation of troops by carrier borne helicopters, and describes a new troop ship, the USNS Barrett.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 504 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. AFSM 504.
Summary: Discusses principles of atomic power used in a submarine, and daily routine of WACs in Europe; shows the 1952 football game between Air Force and Marine Corps teams, views of Pacific Islands that were battlegrounds, and firing of the Aerobee rocket in New Mexico.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 505 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFSM 505.
Summary: Scenes of snow removal equipment being demonstrated in the Sierras; Army and Air Force competition in the National Barber Shop Quartet contest; a Navy centrifuge used to test airmen's reaction to flight pressures; combat action in Korea; and inter-service football games.
Borrow from Army. *Cleared for tv.*

Armed forces screen magazine, no. 506 (*Motion picture*)
U. S. Dept. of Defense, 1953.
21 min., sd., b&w, 16 mm.
Order no. AFSM 506.
Summary: Treats the following subjects: Army troops learning mountain climbing; Wac's at an officer candidate school; operations of a Navy icebreaker, USS Burton Island; and the 1952 Army-Navy football game.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 507 (*Motion picture*)
U. S. Dept. of Defense, 1953.
18 min., sd., b&w, 16 mm.
Order no. AFSM 507.
Summary: Pictures a demonstration of a portable iron lung; soldiers being taught railroading; sculpture of the 1945 flag raising on Iwo Jima; soldiers erecting a school in Korea; and airmen being taught judo by Japanese.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 508 (*Motion picture*)
U. S. Dept. of Defense, 1953.
19 min., sd., b&w, 16 mm.
Order no. AFSM 508.
Summary: Shows a meteorological weather wind computer; a new Air Force stratojet bomber; Korean orphans receiving clothing and candy; the Navy testing new weapons at Dahlgren; and servicemen enjoying winter sports at Garmisch-Partenkirchen.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 509 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 509.
Summary: Scenes of the F84–F fighter bomber; a firefighting jeep for use on Navy carrier decks; helicopters used to set up a smoke screen; modern facilities of a hospital ship; briefing on the military situation in Formosa as of March 1953; and the Navy School of Music where musicians from all branches of the Armed Services are trained.
Borrow from Army.

Armed Forces screen magazine, no. 510 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 510.
Summary: Activities and developments in U. S. Armed Forces, including a new Navy jet plane, an Army "winterproof" suit, a Navy submarine crew spending two months under water, and soldiers from the Korean front on a five-day pass in Japan.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 511 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 511.
Summary: Scenes of a basketball game between the Navy and the Marine Corps played at Omaha University, and of the boxing championship fights between members of the different armed services at the Naval Training Center in Bainbridge, Md.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 512 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 512.
Summary: Shows B-47 airplanes refueling in mid-air; damage control methods on a sinking ship; and training in hand-to-hand combat in an Army "struggle pit."
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 513 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFSM 513.
Summary: Shows "Mighty Mite," the all purpose amphibious jeep of the Marine Corps; Navy tests of a hydrofoil boat; model airplane exhibitions; and an inter-service track meet.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 514 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 514.
Summary: Shows a two-rotor helicopter, ambulance jeep, and a giant tractor; origin and production of the Army newspaper "Stars and stripes"; and close formation flying by Navy planes.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 515 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 515.
Summary: Scenes of an Air Force demonstration of its Kangaroo plane; Signal Corps mobile televison units at West Point; U. S. Naval Academy "middies" on the annual summer cruise; and Armed Forces personnel touring the UN headquarters in New York.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 516 (*Motion picture*)
U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 516.
Summary: Shows an experimental wrist watch radio; formation flying by Air Force planes; Taylor Model Basin; and a football game between the Air Force and the Marines.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 517 (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 517.
Summary: Describes Berlin in 1954 and explains the division of the city into Eastern and Western sectors.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 518 (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 518.
Summary: Scenes of the F–100 and X–3 planes; the prisoner of war story in Korea; and the 1953 Army-Navy football game.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 519 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
13 min., sd., b&w, 16 mm.
Order no. AFSM 519.
Summary: Activities and events of the U. S. Armed Forces, including an interview with the oldest sergeant in the Armed Forces, and scenes of an 800-ton floating dock, launching of a new research plane, a rifle match at Quantico, and wind tunnels at Langley Air Force Base.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 520 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 520.
Summary: Scenes of a Navy doctor administering anesthesia to children with a "space helmet"; changing of the guard between American and Russian occupation forces in Vienna; and the history of the "Retreat" ceremony with an original score by the U. S. Army Band.

Borrow from Army. ***Cleared for tv.***

Armed Forces screen magazine, no. 521 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 521.
Summary: Scenes of a new hospital evacuating plane; delivery to the Marine Corps of a twin-engine helicopter; basketball game between WAF's of Keesler and Lackland Air Force bases; and the "Nike" missile.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 523 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
11 min., sd., b&w, 16 mm.
Order no. AFSM 523.
Summary: Scenes of the Army's new rocket "Honest John" and guided missile "Corporal"; of a horse-drawn caisson unit at Fort Myer; and of the U. S. Naval Observatory.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 524 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 524.
Summary: Shows the new T-43 tank, Army engineers laying a bridge in Japan, civilian benefits from Armed Forces research and development, and the origin and background of the Air Force button.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 525 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 525.
Summary: Scenes of a rocket-propelled sled of the Air Force traveling at 420 miles per hour; duties and services of the Alaskan National Guard; and the work of Army's criminal investigation detachment in Europe.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 526 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 526.
Summary: Sequences showing the Navy steam catapult for carrier-based planes and the Viking rocket; the twelfth anniversary of USAFI (U. S. Armed Forces Institute); and the background of the salute, universally accepted as a military greeting.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 527 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFSM 527.
Summary: Sequences showing New York as seen through the new 100-inch Signal Corps lens; electronic devices protecting vehicles from ice crevasses in Greenland; scenes of Panama; inter-service boxing; and Air Force and Army barbershop quartets.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 530 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFSM 530.
Summary: Scenes of Air Force mess sergeants being given lessons by master chefs at the George v Hotel in Paris; the background of military insignia; lanes of the Arctic Ocean opened by ships of the U. S. Navy; bombing contests by B–36's and B–47's of the Strategic Air Command; and a demonstration of fighter planes from Eglin Air Force Base.

Borrow from Army.

Armed Forces screen magazine, no. 532 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 532.
Summary: Scenes of the Navy launching the carrier Forrestal; a practice alert at a "Nike" guided missile base near Washington, D. C.; the Air Force launching a jet fighter from a mobile truck-trailer; and a tour of the WAC Center at Fort McClellan, Alabama.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 533 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 533.
Summary: Scenes of Mount Vernon as it may have looked to George Washington 200 years ago; and the story behind the development of the U. S. Marine Corps uniform.

Borrow from Army.

Armed Forces screen magazine, no. 534 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 534.
Summary: Shows a droppable take-off gear developed by the Air Force; views, taken from a Navy blimp, of catapult launchings aboard the aircraft carrier U. S. S. Hancock; night-time footage of a new electrified flight-direction suit; a portable atomic X-ray developed by the Army; and tells the story of an expedition across 1,600 miles of the Greenland icecap.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 535 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 535.
Summary: Scenes of U. S. Armed Forces activities including Air Force underground housing installations in the Far North; an underground atomic explosion at Desert Rock; launching of the Navy submarine Nautilus; Army GI's relaxing in Germany; and Army and Air Force teams competing in a bobsled race at Lake Placid, N. Y.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 536 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 536.
Summary: Highlights of the 1955 Pan American Olympic Games held in Mexico City in which many U. S. servicemen competed.

Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Armed Forces screen magazine, no. 537 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 537.
Summary: Scenes of a Navy version of a flying saucer; the latest electronic device of the Signal Corps; the inner workings of an atomic submarine; and the B–36 bomber.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 538 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 538.
Summary: Scenes of a diagnostic heart radio of the Navy; children at Fort Myer with coonskin caps and shooting irons; and of President Eisenhower's 40th class reunion held at West Point during June Week.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 539 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 539.
Summary: Scenes of the Navy's Terrier, a self-guided missile, tracking down its target; an Army training ship that never goes to sea; the airplane Bell X2; a new link in the U. S. radar defense chain, the Texas Tower; and survival training on the Greenland icecap.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 540 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 540.
Summary: Short picture stories about the U. S. S. Forrestal, new Navy planes, Army's Ontos tank destroyer, and experimental tests on ejection seats for the Air Force. Shows evidence that foot soldiers can survive an atom blast, and presents a brief history of the Marine Corps Band.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 542 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 542.
Summary: Describes U. S. Armed Forces activities, and includes scenes of a radio-controlled drone aircraft, a new submarine, a new swept-wing jet bomber, and a young service couple on vacation in the Bavarian Alps.
Borrow from Army. *Cleared for tv.*

Armed Forces screen magazine, no. 543 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 543.
Summary: Scenes of a new portable TV camera which enables the command post to watch front line action; a vertical air jet experimental model, the Aerodyne; an experimental one man flying machine, the Aerocycle; and cooperative activities of the Air Force and Navy in securing information on hurricane movements.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 544 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 544.
Summary: Scenes of various U. S. Armed Forces activities, including crew demonstration of cross-wind landing gear; Navy automatic operating mechanism for sending weather data; Army Transportation Corps demonstration of landing craft retriever; logistical cargo carrier for carrying heavy loads over snow; dog training by the Army in Germany as viewed by the dog; Navy frogmen fishing in waters off the Virgin Islands; and an animated sequence on the Bill of rights.
Borrow from Army.

Armed Forces screen magazine, no. 545 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFSM 545.
Summary: Shows scenes of Navy jet planes steam-catapulted from the carrier Forrestal; a jet plane making a bad landing on the carrier Essex and a helicopter rescuing the pilot; and artists explaining how they intend to illustrate points in the Code of conduct for members of the Armed Forces.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 546 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
10 min., sd., b&w, 16 mm.
Order no. AFSM 546.
Summary: Scenes of a new amphibious truck of the Army making its trial run; Airman Marko Miletich's trip to New York as a reward for winning the Freedoms Foundation award for his essay on What America means to me; and a practice radar patrol mission in a new Navy blimp.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 547 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 547.
Summary: Scenes of various U. S. Armed Forces activities, including installation in the Air Force Museum of a replica of the first military aircraft; features and capabilities of the new C–133 air transport; tests in a super-heated oven of a new aluminized crash suit; demonstration by a young WAF of her judo technique on a male partner; and life of the airmen who operate and maintain the radar equipment on the first sea radar station, Texas Tower, off the Atlantic coast.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armed Forces screen magazine, no. 548 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 548.
Summary: Scenes of various U. S. Armed Forces activities, including a report on new legislation giving larger benefits to military personnel; tests of a rocket-driven sled traveling at supersonic speed; the Navy's new TV helicopter; German and American competition in sailplane launching; Navy demonstration of its new device for high-speed recovery of frogmen from the water; F–100 jet fighters refueling in mid-air; operation of the new 20 mm. multi-barreled machine gun; and an Army aerial tramway system operating between shore and off-shore towers.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Armies of the world. Part 2: The Soviet soldier (*Motion picture*) U. S. Dept. of the Army, 1955.
29 min., sd., b&w, 16 mm.
Order no. TF 30–1966.
Summary: Discusses the psychological conditioning and fighting capabilities of the Soviet soldier, pointing up the differences between Soviet and American doctrine; depicts the military training and ideological indoctrination afforded the soldier.
Borrow from Army. *Cleared for tv.*

Armor combat power (*Motion picture*) U. S. Dept. of the Army, 1958.
24 min., sd., b&w, 16 mm.
Order no. TF 17–2504.
Summary: Describes the combat power of armor—its advantages of firepower, mobility, armor protection, and shock action on the battlefield; the missions, organization, and fire potential of the tank platoon and the armored infantry platoon; support missions performed by the armored engineers, the scout platoon, Army aviation, tactical air, and tactical atomic weapons; and illustrates the organic fire of the platoons supported by artillery and mortar in a non-tactical fire demonstration and an armor team conducting an attack supported by both atomic and non-atomic fire in a tactical demonstration.
Borrow from Army.

Army aircraft gas turbine engine operation, part 1: Principles of operation (*Motion picture*) U. S. Dept. of the Army, 1960.

13 min., sd., b&w, 16 mm.
Order no. TF 46–2985.
Summary: Explains the theory of operation of gas turbine engines. Uses animated drawings and the T53 engine to demonstrate the basic principles on which gas turbines operate, showing how the components work as the air and fuel flows pass through the engine.
Borrow from Army. *Buy from* NF.

Army aircraft gas turbine engine operation, part 2: Controls and instrumentation (*Motion picture*) U. S. Dept. of the Army, 1960.

14 min., sd., b&w, 16 mm.
Order no. TF 46–2986.
Summary: Describes the controls and instrumentation characteristic of Army aircraft equipped with gas turbine engines, using HU–1 (Iroquois) as a representative type for demonstration. Gives particular attention to gas compressor tachometer, exhaust gas temperature indicator, torque meter, fuel supply controls, and engine controls. Demonstrates the starting technique for turbine powered aircraft.
Borrow from Army. *Buy from* NF.

Army aircraft gas turbine engine operation, part 3: Construction and operation of the T–53 (*Motion picture*) U. S. Dept. of the Army, 1960.

15 min., sd., b&w, 16 mm.
Order no. TF 46–2987.
Summary: Describes the basic construction and operation of the T–53 gas turbine engine, including the four major sections of the engine and the four major accessory systems—fuel, anti-icing, electrical, and lubrication. Uses a cutaway of the engine to review the sequence of operation of the T–53.
Borrow from Army. *Buy from* NF.

The Army command and administrative network. Part 1: Network facilities (*Motion picture*) U. S. Dept. of the Army, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 11–2317.
Summary: Explains the development, mission, and operation of the Army command and administrative network (ACAN), consisting of stations throughout the world interconnected by means of strategically located multi-channel radio teletypewriter and telephone systems. Shows the use of semiautomatic tape relay equipment, facsimile equipment, voice radio channels, and facilities for teletypewriter conferences.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Army cook series
see
Cutting a forequarter of beef
Cutting a hindquarter of beef
Meat cutting tools and equipment

Army crafts program (*Filmstrip*) U. S. Dept. of the Army, 1953.
59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 12–19.
Summary: Explains the purpose, organization, administrative aspects, and activities of the U. S. Army crafts program, including leather crafts, rock and clay crafts, metal and plastic crafts, woodworking, painting, and photography.
Borrow from Army.

The Army Dental Service (*Motion picture*) U. S. Dept. of the Army, 1957.
26 min., sd., color, 16 mm.
Order no. MF 12–8732.
Summary: Discusses the Army Dental Service and its advantages from the personal and professional aspects. Explains the Army dental program, covering its clinical, laboratory, research, and teaching activities.
Borrow from Army. *Cleared for tv.*

The Army: Deterrent to aggression (*Motion picture*) U. S. Dept. of the Army, 1960.
27 min., sd., b&w, 16 mm.
Order no. AIF 12.
Summary: Describes the missions and capabilities of the U. S. Army.
Borrow from Army.

The Army entertainment program (*Filmstrip*) U. S. Dept. of the Army, 1954.
64 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 12–101.
Summary: Discusses various recreational activities planned and provided for soldiers at U. S. Army installations, service clubs, hospital wards, on ships, and in combat areas.
Borrow from Army.

Army Explorer in space (*Motion picture*) U. S. Dept. of the Army, 1958.
14 min., sd., color, 16 mm.
Project no. 86022.
Summary: Describes the development and launching of the Army's earth satellite, Explorer, including various rocket stages and satellite instrumentation, equipment used to track the flight of the rocket and satellite in space, and the pre-launching checks, countdown, and firing action at Cape Canaveral on January 31, 1958.
Borrow from Army.

Army Language School (*Motion picture*) U. S. Dept. of the Army, 1961.

29 min., sd., b&w, 16 mm.
Order no. MF 30–9324
Summary: Discusses the U. S. Army Language School at the Presidio of Monterey, California, explaining that the school provides a program for training officers and enlisted personnel to meet Army requirements for linguists in at least one foreign language.

Borrow from Army.

Army library program (*Filmstrip*) U. S. Dept. of the Army, 1954.
66 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 12–17.
Summary: Explains the U. S. Army library program covering organization and structure, qualifications and duties of library personnel, and the role of library services in military life.
Borrow from Army.

Army medical laboratories (*Motion picture*) U. S. Dept. of the Army, 1947.
30 min., sd., b&w, 16 mm.
Order no. FB 8–217.
Summary: The activities of Army medical laboratories during World War II. Through documentary sequences shows the functions of laboratory units in a theater of operations, communication zones, and the zones of interior; through an animated sequence shows the overall organization and communication set-up in the world network of laboratories.
Borrow from Army.

The Army package power reactor (*Motion picture*) U. S. Dept. of the Army, 1958.
26 min., sd., color, 16 mm.
Order no. MF 5–8986.
Summary: Describes the purpose, development, construction, and operation of the Army package power reactor.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Army ROTC (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm.
Order no. MF 145–7743.
Summary: Portrays the advantages and values of the Army Reserve Officers' Training Corps to high-school seniors and college freshmen.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Army ROTC: Learn today, lead tomorrow (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
24 min., sd., color, 16 mm.
Order no. MF 45-7912.
Summary: Shows the activities of a young college student while enrolled in the school's Reserve Officers Training Corps. Emphasizes that ROTC provides America with reserve officers for emergencies.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Army sports (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
10 min., sd., b&w, 16 mm.
On reel with Operation Portrex.
Order no. AFSR 120.
Summary: Explains the Army sports program and how it is designed to stimulate the physical well-being of soldiers.
Borrow from Army. *Cleared for tv.*

The Army statistical and accounting system (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
32 min., sd., b&w, 16 mm.
Order no. TF 12-1653.
Summary: Explains the use of machines, filing methods, and working procedures in compiling and maintaining current information on military personnel.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Army's Nike guards Nation's Capital (*Motion picture*) U. S. Dept. of Defense, 1955.
5 min., si., b&w, 16 mm.
Order no. DD 184-54.
Summary: Series of scenes made at the launcher station near Lorton, Va., showing how the guided missile, "Nike," is brought in position to fire during a simulated enemy aircraft attack.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Around this table (*Motion picture*) U. S. Information Agency and North Atlantic Treaty Organization, 1955. Made by Cinetone Studios, Amsterdam. Released for public educational use in the United States through U. S. Office of Education, 1955.
17 min., sd., b&w, 16 mm.
Summary: Explains that the permanent civilian staff of the North Atlantic Treaty Organization is responsible for resolving individual problems involved in carrying out policy decisions of the North Atlantic Council. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

The art of the Florentine golden age in the National Gallery of Art (*Filmstrip*) U. S. National Gallery of Art, 1956.
50 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 60 min.
With lecture notes.
Summary: Thirty-nine frames of the best known works of Florentine artists in the National Gallery of Art, interspersed with eleven scenes of architecture and squares in Florence.
Borrow from NGA.

Arterial disorders in the upper extremity and their treatment by sympathectomy (*Motion picture*) U. S. Dept. of the Army, 1950.
30 min., sd., color, 16 mm.
Order no. PMF 5103.
Summary: Gives the indications, clinical factors, and precautions for arterial disorders in the upper extremity and their operative treatment by a sympathectomy. For medical personnel.
Borrow from Army.

Arteriosclerotic occlusive disease (*Motion picture*) U. S. Veterans Administration, 1956.
15 min., sd., color, 16 mm.
Summary: Describes the treatment of arteriosclerotic occlusive disease of the abdominal aorta by resection and homograft replacement. Presents an illustrative case to demonstrate the aorotographic findings, surgical technic, and the results of the operation.
Borrow from VA.

Arteriovenous fistula (*Motion picture*) U. S. Veterans Administration, 1956.
10 min., sd., color, 16 mm.
Summary: Demonstrates the clinical and basic physiological manifestations of arteriovenous fistulae. Illustrates the surgical repair of a femoral arteriovenous fistula and includes pre- and postoperative arteriograms.
Borrow from VA.

Arthropod-borne encephalitis: Its epidemiology and control (*Motion picture*) U. S. Public Health Service, 1963.
18 min., sd., color, 16 mm.
Order no. M-542
A revision of the 1957 motion picture entitled An introduction to arthropod-borne encephalitis.
Summary: Shows clinical signs of encephalitis in humans and horses. Discusses the distribution of Eastern, Western, and St. Louis types of encephalitis; epidemiology of the encephalitides, including collection of mosquitoes and birds; and laboratory techniques for studying encephalitis viruses. Demonstrates techniques of control, including use of insecticides, repellents, screening, irrigation, and land management.
Borrow from PHS. *Buy from* NF.

Arthropod-borne virus encephalitides (*Motion picture*) U. S. Dept. of the Army, 1947.
33 min., sd., b&w, 16 mm.
Order no. PMF 5048.
Summary: Presents disease problems which are approached by differential diagnostic measures. Portrays the diagnosis, treatment, and control of Japanese B encephalitis, and illustrates the approach to the investigation of such problems.
Borrow from Army.

Arthropods of public health importance (*Filmstrip*) U. S. Public Health Service, 1954.
42 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. F 145.
Summary: Shows the outstanding characteristics of one or more species of the following arthropods: cockroaches, mosquitoes, flies, bed bugs, triatoma, fleas, lice, scorpions, tarantulas, spiders, centipedes, ticks, and mites.
Borrow from PHS. *Buy from* NF.

Articulatory movements in the production of English speech sounds. Part 1: Consonants (*Motion picture*) U. S. Veterans Administration, 1953.
25 min., sd., color, 16 mm.
Summary: Through the use of animated drawings of the breathing process and direct photography of the movements of the laryngeal and articulatory structures in a patient with extensive loss of facial tissue. Illustrates the production of speech. Movements of the lips, mandible, tongue, velum, and pharyngeal constrictor muscles are shown in illustrations of oral continuant consonants, nasal continuants, plosives and affricatives commonly present in American speech.
Borrow from VA. *Buy from* NF.

Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides (*Motion picture*) U. S. Veterans Administration, 1954.
26 min., sd., color, 16 mm.
Summary: Through live-action photography of the movements of the laryngeal and articulatory structures in a patient with extensive loss of facial tissue. Illustrates the production of vowels and their movements with glide sounds. Shows the importance of resonance as a factor in speech intelligibility through samples of connected speech.
Borrow from VA. *Buy from* NF.

Arts of Japan (*Motion picture*) U. S. Information Agency, 1954. Made by Tokyo Films. Released for public educational use in the United States through U. S. Office of Education, 1954.
29 min., sd., b&w, 16 mm.
Summary: Tells the story of a young American who visits artists of Japan, including the painter Gyokudo Kawai, tea master Soshitsu Sen, actors Koshiro Matsumoto and Manzaburo Umewaka, potter Shoji Hamada, and woodblock artist Shiko Munakata. Includes scenes from the Noh and the Kabuki dramas. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

As a matter of fact (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

5 min., sd., color, 16 mm.

Summary: Describes the importance of accident reports—their collection, analysis, and use; and of accident record files in State governments.

Borrow from PCTS. *Cleared for tv.*

As deep as the heart (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

40 min., sd., b&w, 16 mm.

Order no. TF 16-1698.

Summary: Dramatized story of a soldier with a deep-seated resentment against his parents and home who becomes assistant to an army chaplain, observes the work of the chaplain, and finally changes his attitude toward his family and life in general.

Borrow from Army. *Cleared for tv.*

Asbestos—a matter of time (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Sales Corp. Released by U. S. Bureau of Mines, 1959.

20 min., sd., color, 16 mm.

Order no. 253

Summary: Describes the geological formation and the varied uses of asbestos. Shows modern production methods including modern surface-mining operations, the block-caving method of extracting the mineral, and drilling, blasting, and caving operations. Pictures products made of asbestos, including special fireproof, heat-resistant fabrics; insulation in electric cords, transformers, steam lines, and motors; lining in automobile brakes; incombustible panels for walls and ceilings; floor coverings, and shingles made of asbestos and cement for roofs and home exteriors.

Borrow from BM. *Buy through* BM. *Cleared for tv.*

Ascariasis (Infestation with ascarids) (*Motion picture*) U. S. Dept. of the Army, 1949.

13 min., sd., b&w, 16 mm.

Order no. PMF 5124.

Summary: Shows details of the life cycle of ascarids in swine. For professional personnel.

Borrow from Army.

Aseptic procedure in oral surgery (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

18 min., sd., color, 16 mm.

Order no. MN 7930.

Summary: Defines and shows minimum standards of aseptic procedure in minor oral surgery; explains the duties of the staff in the aseptic procedure; and shows that the procedure is primarily sterilization plus maintenance of aseptic conditions.

Borrow from Navy. *Buy from* NF.

Asian artists in crystal (*Motion picture*) U. S. Information Agency, 1956. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1957.

17 min., sd., b&w, 16 mm.

Summary: Describes an exhibit of American crystal engraved with designs created by 16 artists representing Burma, Ceylon, Republic of China, Egypt, India, Indonesia, Iran, Iraq, Japan, Korea, Pakistan, the Philippines, Syria, Thailand, Turkey, and Vietnam. Shows the work of these artists, how American designers captured the mood of the drawings in crystal form, and how American craftsmen translated the drawings into engravings. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Asiatic schistosomiasis (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1949.

22 min., sd., color, 16 mm.

Order no. MN 5028.

Summary: Explains the cause and effects of schistosomiasis, and demonstrates preventive and control measures.

Borrow from Navy. *Buy from* NF.

Assault bridging in offensive operations (*Motion picture*) U. S. Dept. of the Army, 1961.

19 min., sd., b&w, 16 mm.

Order no. TF 17-3068

Summary: Describes the tactical advantages of assault bridging in offensive operations, demonstrating how this is accomplished by mobile assault bridges available to the Armored Division.

Borrow from Army.

Assembling and riveting series
see Aircraft work series. Assembling and riveting

Assembling in a jig: Drilling and riveting (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

21 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 2)

Order no. OE 137.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Drilling, burring, dimpling, and riveting an aircraft sheet metal assembly.

Buy from NF.

Assembling in a jig: Drilling and riveting (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

50 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 2)

Order no. OE 137-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Assembling in a jig: Fitting and lining up (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

16 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 1)

Order no. OE 136.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How aircraft sheet metal parts are assembled in a precision assembly jig; how to use an awl for lining up; use skin fasteners: and correct misaligned holes.

Buy from NF.

Assembling in a jig: Fitting and lining up (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

47 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 1)

Order no. OE 136-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Assembly of an airborne unit (*Motion picture*) U. S. Dept. of the Army, 1955.

18 min., sd., b&w, 16 mm.

Order no. TF 31-1926.

Summary: Explains the principal methods for assembling airborne units and demonstrates the various assembly aids used to facilitate assemblies in day and night operations. Follows the activities of a typical airborne platoon, covering each phase of an airborne operation: briefing of men on jump and subsequent assembly, the jump, movement from drop zone to assembly area, reorganization in assembly area, and movement to objective.

Borrow from Army.

Assignment Germany (*Motion picture*) U. S. Dept. of the Army, 1950.

14 min., sd., b&w, 16 mm.

Order no. MF 45-7501.

Summary: Illustrates the job of the Allied occupation of Germany: the rehabilitation of German business and industry, re-establishment of German democratic government, and re-education of the German people.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Assignment home (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Universal Pictures Co. Released for public educational use through U. S. Office of Education, 1948.

26 min., sd., b&w, 16 mm. (Combat fatigue series)
Order no. MN 3428–d.

Summary: Stories of three Navy neuropsychiatric discharges (one returning to a job, one going back to school and the other without plans) showing patients' problems of civilian life with suggestions for meeting different situations.

Borrow from Navy. *Buy from* NF.

Assignment: Weights and measures (*Motion picture*) National Conference on Weights and Measures in cooperation with the U. S. National Bureau of Standards, 1957. Released by U. S. National Bureau of Standards.

18 min., sd., color, 16 mm.

Summary: Describes the importance of weights and measures to the average American family through the experiences of an elementary-school class studying various aspects of Government. Includes instances in which commercial weighing or measuring touches the lives of individual families.

Borrow from NBS.

The astronomical triangle (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

37 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–d.

Summary: Explains how the astronomical triangle is formed, and its use in determining the position of ships on the earth's surface. College level.

Borrow from Navy. *Buy from* NF.

At home with wood (*Motion picture*) U. S. Dept. of Agriculture, 1959.

13 min., sd., color, 16 mm.

Summary: Shows research being conducted at the Forest Products Laboratory, Madison, Wis., for improving wood products to be used in home construction.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Atacama desert (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm.

Summary: Shows life and industry in the Atacama Desert of northern Chile, the nitrate deposits and mining methods, and the lives of the people of the region.

Buy from NF.

The Atlantic community series
see
Introducing Belgium
Introducing Canada
Introducing Denmark
Introducing France
Introducing Germany
Introducing Greece
Introducing Iceland
Introducing Italy
Introducing Luxembourg
Introducing Norway
Introducing Portugal
Introducing the Netherlands
Introducing the United Kingdom
Introducing the United States
Introducing Turkey

Atlas, the ICBM (*Motion picture*) U. S. Dept. of the Air Force, 1958.

29 min., sd., color, 16 mm.
Order no. SFP 583.

Summary: Traces the history and development of the Atlas missile, explains the magnitude of the Atlas project, and emphasizes its importance to the American people.

Borrow from AF. *Cleared for tv.*

Atmospheric stability and instability: Adiabatic process (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

14 min., sd., color, 16 mm.
Order no. MN 7894–b.

Summary: Explains the adiabatic process by showing what happens when a parcel of dry or moist air is raised or lowered by convection, the relationship of temperature and saturation at different altitudes, and the plotting of temperature and moisture content on the adiabatic chart. Gives a detailed description of orographic lifting.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Atmospheric stability and instability: Existing temperature distribution (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

14 min., sd., color, 16 mm.
Order no. MN 7894–a.

Summary: Explains the relationship of temperature distribution and stable and unstable air and how this relationship controls the weather. Shows the characteristics of stable and unstable air and how radiosonde signals are plotted.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Atmospheric stability and instability: Stability and the weather (*Motion picture*) U. S Dept. of the Navy, 1954. Made by Academy Productions.

8 min., sd., color, 16 mm.
Order no. MN 7894–d.

Summary: Explains the existing lapse rate on the RAOB, (radiosonde observation) chart and the relationship to stability and instability in the atmosphere. Shows the difference between the adiabatic lapse rate of moist and dry air.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Atmospheric stability and instability: Thermal convection (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

11 min., sd., color, 16 mm.
Order no. MN 7894–c.

Summary: Explains the causes of the vertical air currents in the atmosphere and their relationship to changes in the weather.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Atom atoll (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

18 min., sd., b&w, 16 mm.
Order no. RTAF 147.

Summary: Portrays a joint task force on Eniwetok making preparations for atomic test explosions, waiting for the explosion, and the explosion itself.

Borrow from Army. *Cleared for tv.*

The atom strikes (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

31 min., sd., b&w, 16 mm.
Order no. MF 5–1235.

Summary: Gives an account of the first experimental atomic bomb blast in New Mexico, aerial views of Hiroshima and Nagasaki bombings, and closeup shots of devastated areas.

Borrow from Army. *Buy from* NF.

Atomic medical cases: Japan, World War II (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

37 min., sd., b&w, 16 mm.
Order no. PMF 5143.

Summary: Presents documentary evidence of the medical problems resulting from the atomic bomb explosions at Hiroshima and Nagasaki; shows pathological specimens in microscopic section; and stresses the importance of using to the greatest advantage surviving doctors and nurses. For medical personnel.

Borrow from Army.

Atomic tests in Nevada (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

25 min., sd., color, 16 mm.

Summary: Describes the testing of atomic weapons at the Atomic Energy Commission's Nevada test site, with emphasis on measures to protect the public.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Atomic weapons and fire (*Motion picture*) U. S. Dept. of the Army, 1961.

31 min., sd., color, 16 mm.
Order no. MF 20-9311

Summary: Explains the principles of nuclear reaction, the causes of nuclear weapon accidents, and the characteristics, dangers, and applicable fire-fighting techniques and equipment.

Borrow from Army. *Cleared for tv.*

Atomic weatherman: Strontium-90 isotopic applications (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by Martin Marietta Corp.

19 min., sd., color, 16 mm.

Summary: Describes the world's first radioisotope-powered weather station, which is operating unattended at a remote site in the Canadian Arctic. Explains that the "atomic" weather station is powered by a thermoelectric unit in which the heat from the decay of Sr-90 is directly converted into electricity.

Borrow from AEC. *Buy from* CFI. *Cleared for tv.*

Atoms for peace. Part 1: Introducing the atom (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm.

Summary: Explains the nature of the atom and of atomic energy; demonstrates through animation the make-up, function, formation, and control of chain reaction; and indicates potential uses of atomic material in medicine, agriculture, and industry. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for peace. Part 2: Medicine (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm.

Summary: Shows uses of atomic materials in medical research and diagnosis; illustrates, through a sequence involving a brain tumor, the use of radioactive materials as tracers in the detection and location of disease; and describes atomic research in the treatment of hyperthyroidism, cancer, and arteriosclerosis. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for peace. Part 3: Agriculture, industry, and power (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm.

Summary: Describes research in the uses of radioactive materials in agricultural and industrial production. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for peace. Part 4: Scientific advancement (*Motion picture*) U. S. Information Agency, 1956. Made by Information Productions. Released for public educational use in the United States through U. S. Office of Education, 1957.

19 min., sd., b&w, 16 mm.

Summary: Describes the progress made in the production of atomic electric power, use of atomic irradiation in food production and preservation, use of isotopes in insuring thickness control in manufacturing and in measuring soil density in road building, and radiation therapy in the treatment of cancer and heart disease. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for peace. Part 5: Working together (*Motion picture*) U. S. Information Agency, 1957. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education.

21 min., sd., b&w, 16 mm.

Summary: Describes regional and international cooperation of scientists and governments in the development of peaceful uses of atomic energy; and some of the achievements of this cooperation, such as the flow of isotopes from one country to another, the transfer of fissionable materials for research purposes, and the establishment of international centers for atomic research. Prepared for oveseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for peace. Part 6: Training men for the atomic age (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

20 min., sd., b&w, 16 mm.

Summary: Explains the training program in nuclear physics for foreign scientists sponsored by the U. S. Atomic Energy Commission. Shows activities at the University of Pennsylvania, Oak Ridge Institute of Nuclear Studies, International School of Nuclear Science and Engineering at La Grange, Illinois, and construction of a nuclear reactor at Shippingport, Pennsylvania. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for peace. Part 7: Atomic power and the United States (*Motion picture*) U. S. Information Agency, 1958. Made by Information Film Producers. Released for public educational use in the United States through U. S. Office of Education, 1959.

27 min., sd., b&w, 16 mm.

Summary: Presents the current status in the United States of the nuclear energy program for the production of electric power; describes five types of nuclear reactors designed by U. S. Government laboratories and American industries; lists plants operated and financed by private industry; and points out that atomic fuel and technical skills developed by intensive research in the United States are available to other countries through international agreement. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Atoms for space (*Motion picture*) Atomic Energy Commission, 1962.

28 min., sd., color, 16 mm.

Summary: Describes the development and use of compact nuclear power sources for space under the Commission's SNAP program. Features the first use of atomic power in the nation's space effort, and reports briefly on the uses of SNAP devices on land and sea.

Borrow from AEC. *Buy from* GFL.

Attaching and aligning wings (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

20 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 258.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to inspect a damaged wing; remove the damaged wing; attach a new wing; level the airplane and align the wing; and inspect the finished job.

Buy from NF.

Attaching and aligning wings (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
45 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 258-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Attack in the Pacific (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
50 min., sd., b&w, 16 mm.
Order no. AFIF 3.
Summary: Highlights of naval activities in the Pacific during World War II, including Pearl Harbor, the battle of the Coral Sea, the battle of Midway, and neutralization of Japanese naval strength.
Borrow from Army.

Attack! The battle for New Britain (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
46 min., sd., b&w, 16 mm.
Order no. MF 40-1041.
Summary: A record of the attacks on Arawae and Cape Gloucester on New Britain from plan to final victory.
Borrow from Army. Buy from NF.

The attendant helps the patient
see Your job and the psychiatric patient. Part 3: The attendant helps the patient

Audio frequency amplification (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.
25 fr., b&w, 35 mm.
Order no. SN 652.
Summary: Describes the theory and practice of amplification of the audio wave.
Borrow from Navy. Buy from NF.

Audio-lingual techniques for teaching foreign languages—French (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.
60 min., sd., b&w, 16 mm.
Summary: Demonstrates various techniques that can be used in the teaching of French in secondary schools and colleges, including dialogue adaptation, structure drills, directed dialogue, conversation stimulus, replacement, drill, and transformation drill.
Buy from NF. Cleared for tv.

Audio-lingual techniques for teaching foreign languages—German (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.
60 min., sd., b&w, 16 mm.
Summary: Demonstrates various techniques that can be used in the teaching of German in secondary schools and colleges, including dialogue adaptation structure drills, directed dialogue conversation stimulus, replacement drill, and transformation drill.
Buy from NF. Cleared for tv.

Audio-lingual techniques for teaching foreign languages—Russian (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.
60 min., sd., b&w, 16 mm.
Summary: Demonstrates various techniques that can be used in the teaching of Russian in secondary schools and colleges, including dialogue adaptation, structure drills, directed dialogue, conversation stimulus, replacement drill, and transformation drill.
Buy from NF. Cleared for tv.

Audio-lingual techniques for teaching foreign languages—Spanish (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.
60 min., sd., b&w, 16 mm.
Summary: Demonstrates various techniques that can be used in the teaching of Spanish in secondary schools and colleges, including dialogue adaptation, structure drills, directed dialogue, conversation stimulus, replacement drill, and transformation drill.
Buy from NF. Cleared for tv.

Audio oscillator operation (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
9 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-r.
Summary: Explains the operation and use of audio oscillators and shows how to check an amplifier with the audio oscillator and "A" scope.
Borrow from Navy. Buy from NF.

Audio-visual aids to learning (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1951.
11 min., sd., b&w, 16 mm.
Summary: Portrays the facilities and services of a typical audio-visual aids center in the United States; and explains the use of these aids in civilian information and education programs. Prepared for use in occupied areas.
Buy from NF. Cleared for tv. Prior authorization required.

Australia (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
12 min., sd., b&w, 16 mm.
Order no. AFIF 42.
Summary: Explains Australia's geography, government, economy, industries, social customs, and current role in world affairs. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army. Cleared for tv.

Australorbis glabratus, vector of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.
3 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-066.
Summary: Illustrates through aquarium scenes the life cycle of *Australorbis glabratus*, the planorbid snail which is the intermediate host and principal transmitting species in tropical America of *Schistosoma mansoni.*
Borrow from PHS.

Austria (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFIF 53.
Summary: Reviews the history of Austria and explains its current social, economic, and political status
Borrow from Army. Cleared for tv.

Automatic telephone central offices, part 1: Strowger type switching systems (*Motion picture*) U. S. Dept. of the Army, 1961.
26 min., sd., b&w, 16 mm.
Order no. TF 11-3089
Summary: Describes the features, capabilities, operation, and use of Strowger type switching systems in military dial telephone service.
Borrow from Army.

Automatic telephone central offices, part 2: XY switching systems (*Motion picture*) U. S. Dept. of the Army, 1961.
30 min., sd., b&w, 16 mm.
Order no. TF 11-3090
Summary: Depicts the organization and operation of XY switching systems used in automatic telephone (dial) central offices. Describes the advantages of XY equipment in terms of economy and small space requirements.
Borrow from Army.

Automation (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 6)
Summary: Describes the meaning and future of automation as applied to labor, management, industry, and politics. Includes interviews with John Diebold, Peter Drucker, Walter Reuther, and Wright Patman. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Automation on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
Summary: Describes how automation has come to the farm and shows the uses of power machines for lifting, chopping, hauling, etc. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Automobile operation series
see Automotive operation and maintenance series.
Automobile operation

Automotive electricity for military vehicles. Part 2: Principles of operation of the generator (*Motion picture*) U. S. Dept. of the Army, 1957.
13 min., sd., b&w, 16 mm.
Order no. TF 9-2330.
Summary: Explains the design and operation of the automotive generator; its conversion of electrical energy to feed the ignition and accessory systems and to charge the battery; the relationship between electricity and magnetism; and the construction of a rudimentary generator, including the purpose and operation of segments, brushes, pole pieces, and field windings.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Automotive electricity for military vehicles. Part 3: Principles of the starting motor (*Motion picture*) U. S. Dept. of the Army, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 9-2331.
Summary: Explains the electrical and magnetic principles involved in the operation of an automotive starting motor. Defines the relation between magnetism and electricity and shows the path of electrical current through a single loop of wire to demonstrate the electromagnetic principle. Illustrates in detail the construction of the starting motor and explains how electrical energy flows through the starting motor circuit and is converted into mechanical energy.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Automotive electricity for military vehicles. Part 4: The ignition circuit (*Motion picture*) U. S. Dept. of the Army, 1957.
11 min., sd., b&w, 16 mm.
Order no. TF 9-2332.
Summary: Defines the purpose and operation of the ignition circuit and describes how each component functions. Combining actual operation with animation, traces the course of electrical current through the components of the ignition system—battery, ignition coil, distributor, breaker points, condenser, rotor, terminals, and spark plugs—and emphasizes the relation of the primary circuit, secondary circuit, and magnetic field to voltage intensity.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Automotive electricity for military vehicles series
see
Principles of operation of the automotive magneto

Automotive operation and maintenance series.
Automobile operation
see
Keeping your car fit
Know your car
The periodic check-up
Trouble shooting your car
Your driving habits

Automotive operation and maintenance series. Preventive maintenance
see
The battery, ignition, and electrical system
The clutch and hand brake
The cooling system and fuel system
The engine assembly
Engine tests and tune up
The hydraulic brake system
Introduction to preventive maintenance
Steering, wheels, front and rear axels
Transmission, drive shaft, and differential

Automotive series. Bus operation
see
The operator and his job
The operator and his passengers
The operator and safety

Automotive series. School bus operation
see
Bus care and maintenance
Passengers, driving hazards, safety

Automotive trouble shooting. Part 2: Engine tune-up (*Motion picture*) U. S. Dept. of the Army, 1956.
33 min., sd., b&w, 16 mm.
Order no. TF 9-2194.
Summary: Explains the procedures and techniques employed in engine tune-up of wheeled vehicles, including manifold vacuum and compression tests, battery and ignition cable checks, spark plug check, distributor and ignition timing check, battery clearance, manifold and heat control valve check, fuel system tests, carburetor check, and idling speed and mixture adjustments.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Automotive trouble shooting series
see
Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments
Front end alignment

Avalanches to order (*Motion picture*) U. S. Dept. of Agriculture, 1950.
17 min., sd., color, 16 mm.
Summary: How U. S. Forest Service snow rangers, the National Ski Patrol, and winter sports associations cooperate in predicting and controlling avalanches in the National forest areas of the West.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Aviation and you (*Filmstrip*) U. S. Civil Air Patrol, 1957.
74 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 1 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
Summary: Describes the activities of a Civil Air Patrol cadet squadron, including visits to airports and aircraft manufacturing plants; and related vocational fields and opportunities.
Buy from CAP.

Aviation education and your school (*Filmstrip*) U. S. Civil Air Patrol, 1957.
50 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 10 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
Summary: Describes the program sponsored by the Civil Air Patrol for stimulating interest in aeronautics in secondary schools.
Buy from CAP.

Away boarders (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.

22 min., sd., b&w, 16 mm.

Order no. MN 9061.

Summary: Presents the story of the USS Guadalcanal and the capture of the first German submarine in World War II by the commanding officer of that ship.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The azimuth circle and pelorus (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

33 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–k, formerly SG 3883–k.

Summary: Describes the azimuth circle and the pelorus, and demonstrates the operation of each.

Buy from NF.

B

B–47 pilot's familiarization (*Motion picture*) U. S. Dept. of the Air Force, 1952.

37 min., sd., b&w, 16 mm.

Order no TF 1–4727.

Summary: Reviews the history of the development of the B–47 jet bomber and its principles of operation. Explains take-off and landing techniques and special problems pertaining to the piloting of the B–47.

Borrow from AF. *Cleared for tv.*

BMEP (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 3)

Order no. MN 2598–c.

Summary: Explains how the governor operates for normal and low speeds; and how the BMEP limiter functions when fuel is on and off, reduces the fuel supply to an overloaded engine, and goes out of position when the full operation is completed.

Borrow from Navy. *Buy from* NF.

BORAX: Construction and operation of a boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

14 min., sd., b&w, 16 mm.

Summary: Shows the construction and operation of a boiling-water power reactor, and explains how electricity produced from this reactor was used experimentally for an hour in the summer of 1955 for light and power in Arco, Idaho, the first U. S. community to be lighted exclusively on a city-wide basis by atomic power.

Borrow from AEC. *Buy from* USAF-LML. *Cleared for tv.*

Back the attack on brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1958.

28 min., sd., color, 16 mm.

Summary: Reviews a farmer's discovery of brucellosis in his herd of cattle and the actions that follow, including the organization and functioning of a county brucellosis committee. Describes the damage caused by the disease, its symptoms, and plans for its control and eventual eradication. Demonstrates the use of BRT (brucellosis ring test) for locating herds that probably are infected.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Backbone of the corps (*Motion picture*) U. S. Marine Corps, 1958.

23 min., sd., b&w, 16 mm.

Order no. MH 8754.

Summary: Depicts the role of the NCO (noncommissioned officer) in the Marine Corps, and explains that his job presents opportunities for work in many fields.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

A backyard vegetable garden (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

60 fr., b&w, 35 mm.

Order no. 657.

With lecture notes.

Summary: How to grow vegetables in a 30- by 50-foot backyard plot, including selecting the site, planning the garden, preparing the ground, planting and thinning, cultivating, irrigating, and succession cropping.

Buy from PhotoLab.

The Bailey bridge in combat (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

13 min., sd., b&w, 16 mm.

Order no. FB 5–185.

Summary: Shows the types and construction of Bailey bridges, and their use in combat areas.

Borrow from Army. *Buy from* NF.

Bailing out (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by United Productions. Released for public educational use through U. S. Office of Education, 1950.

9 min., sd., color, 16 mm. (Flight safety series)

Order no. MN 4353–r.

Summary: Illustrates through cartoons how naval aviators should bail out of aircraft.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Ballistic missile and space program (*Motion picture*) U. S. Dept. of the Air Force, 1960.

23 min., sd., color, 16 mm.

Order no. SFP 1036

Summary: Reviews the progress of the Air Force ballistic missile and space program from 1954 to 1960. Discusses the importance of the time element in the development of a strong aerospace deterrent force and the concept of concurrency in reducing lead time in the development of weapon systems. Includes views of the Thor, Atlas, Titan, and Minuteman missiles.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Ballistic missile trajectories (*Motion picture*) U. S. Dept. of the Air Force, 1959.

13 min., sd., color, 16 mm.

Order no. TF 1–5291.

Summary: Shows the complexity in computing missile trajectories and discusses some of the factors to be considered, such as earth's rotation, coriolis force, and variation of linear velocity.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Ballots that fly (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

9 min., sd., b&w, 16 mm.

Order no. AFSM 583.

Summary: Describes the mechanics of filling out an application for an absentee ballot, what happens to the application, and the marking and mailing of the ballot.

Borrow from Army. *Cleared for tv.*

Bandaging. Part 1: Triangular bandage (*Filmstrip*) U. S. War Dept., 1945.

56 fr., b&w, 35 mm.

Order no. FS 8–101.

Summary: Illustrates various methods of using the triangular bandage.

Borrow from Army.

Bandaging. Part 2: Roller bandage (*Filmstrip*) U. S. War Dept., 1945.

76 fr., b&w, 35 mm.

Order no. FS 8–102.

Summary: Illustrates various methods of using a roller bandage, including a recurrent bandage of the head, crossed bandage of one eye, crossed bandage of both eyes, etc.

Borrow from Army.

Bandaging for hospital corpsmen (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1954.

24 min., si., b&w, 16 mm.

Order no. MN 9819 a–q.

Summary: Seventeen loop films, 50 to 100 seconds in length, demonstrating the proper application of various bandanges on the head, chest, back, shoulder, ankle, jaw, hip, finger, hand, eyes, etc.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Banking on the land (*Motion picture*) U. S. Dept. of Agriculture, 1946.

24 min., sd., color, 16 mm.

Summary: Traces the historical development of the cooperative farm mortgage credit system and its services to farmers as recalled by a charter member of a local national farm loan association.

Rent from DA film libraries.

Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 5)

Order no. OE 216.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to make a rough sizing cut for the roller turner; set the tool in the roller turner for a finish size; set the automatic stops; and control chip condition.

Buy from NF.

Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

33 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 5)

Order no. OE 216–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 6)

Order no. OE 217.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up a multiple roller turner; center-drill the work so that it can be supported with a center; and set up and operate a carriage taper attachment.

Buy from NF.

Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

29 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 6)

Order no. OE 217–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 7)

Order no. OE 218.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set the necking and chamfering tools; set and cut ¾ inch, 10-pitch thread with tangent die head; and cut off the finished piece.

Buy from NF.

Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

24 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 7)

Order no. OE 218–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Barometer, hygrometer, clinometer (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

49 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–1, formerly SG 3883–1.

Summary: Demonstrates the parts and uses of the barometer, hygrometer, clinometer, and anemometer.

Buy from NF.

The barrier between (*Motion picture*) U. S. Bureau of Reclamation, 1959.

28 min., sd., color, 16 mm.

Summary: Describes the diversion of surplus spring flood water from the western to the eastern slope of the Rocky Mountains in Colorado through the 13-mile Alva B. Adams Tunnel at the Continental Divide and the construction of a series of dams, reservoirs, pumping plants, and power plants. Details the story of the construction and explains the benefits realized.

Borrow from BR. *Buy from* HSF. *Cleared for tv.*

Bars, punches, and drifts (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

15 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 5)

Order no. TF 9–2030.

Summary: Explains the specific purposes, correct uses, and common misuses of bars, punches and drifts.

Borrow from Army. *Buy from* NF.

Barton forceps (*Motion picture*) U. S. Dept. of the Army, 1963.

10 min., sd., color, 16 mm (Forceps deliveries, no. 7)

Order no. PMF 5363

Summary: Demonstrates the application and use of the Barton forceps for deliveries involving transverse arrest and face presentation. Describes the advantages of this special type of forceps for patients with deformed sacrum or flat pelvis.

Borrow from Army.

Base procurement (*Motion picture*) U. S. Dept. of the Air Force, 1958.

22 min., sd., b&w, 16 mm.

Order no. TF 1–5224.

Summary: Describes the functions of a base procurement office, and explains the forms and procedures for obtaining needed supplies through this office and how contracts are negotiated with civilian firms.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Bases and untreated surfaces (*Motion picture*) U. S. War Dept., 1943.

10 min., sd., b&w, 16 mm. (Military roads and runways series, no. 2)

Order no. TF 5–1190.

Summary: Shows various methods used to improve road bases by adding proper materials for stabilization.

Borrow from Army.

Basic autopsy procedure (*Motion picture*) U. S. Dept. of the Army, 1961.

51 min., sd., color, 16 mm.

Order no. PMF 5339.

Summary: Describes the purpose, technique, and advantages of the basic autopsy procedure. Explains the preliminary steps taken by the pathologist and the legal requirements for performing an autopsy, demonstrates each step in the basic autopsy procedure, and shows how the pathologist's autopsy notes and finds are presented for review by the medical board.

Borrow from Army. *Buy from* NF.

Basic biology of bacteria (*Filmstrip*) U. S. Public Health Service, 1950.

56 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (An introduction to bacteriology series, no. 1)

Order no. 5–174.

Summary: Explains the characteristics of bacteria, differences in types, feeding and multiplication, and control through boiling, freezing, and pickling. Elementary explanation for nonprofessional audiences.

Borrow from PHS. *Buy from* NF.

Basic blacksmith operations (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

28 min., sd., b&w, 16 mm.

Order no. TF 9–1778.

Summary: Explains and demonstrates various blacksmithing operations with emphasis on the use of tools and equipment. Discusses the advantages of side-banked, plain-open, and deep-hollow fires.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The basic camera (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

15 min., sd., b&w, 16 mm. (Fundamentals of photography series)

Order no. MN 5383.

Summary: History and construction of the camera; types of cameras, film holders, camera bodies, lenses, shutter adjustments, and screens.

Borrow from Navy. *Buy from* NF.

Basic care of patients. Part 1: Cleaning the patient's unit and making an unoccupied bed (*Motion picture*) U. S. Dept. of the Army, 1957.

15 min., sd., b&w, 16 mm.

Order no. TF 8–2471.

Summary: Shows the proper procedures to be followed by the medical corpsman in preparing the unit for a new patient, including stripping the bed and removal of soiled linen; cleaning the bed, chair and bedside cabinet; making the bed with clean linen; and final straightening of the unit.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 2: The bed bath (*Motion picture*) U. S. Dept. of the Army, 1957.

17 min., sd., b&w, 16 mm.

Order no. TF 8–2472.

Summary: Shows a medical corpsman giving a patient a bath; demonstrates preparation for the bath—equipment, technique, and sequence use; emphasizes the psychological and physical value of the bed bath for relaxation and recovery.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 3: Making an occupied bed (*Motion picture*) U. S. Dept. of the Army, 1957.

17 min., sd., b&w, 16 mm.

Order no. TF 8–2473.

Summary: Portrays the proper procedure for making a bed occupied by a patient. Salient teaching points cover: positioning the patient; the sequence and technique for removing foundation linen, draw sheets, top sheets, and pillow case, and replacing them with clean counterparts. Emphasizes that a clean, well-made bed can add much to the patient's physical comfort and attitude.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 4: Physical comforts (*Motion picture*) U. S. Dept. of the Army, 1957.

11 min., sd., b&w, 16 mm.

Order no. TF 8–2474.

Summary: Portrays the procedures used to provide physical comforts to patients, and gives particular attention to the value of mouth care, frequent changes of position, and use of helpful appliances.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 5: Feeding the patient (*Motion picture*) U. S. Dept. of the Army, 1957.

8 min., sd., b&w, 16 mm.

Order no. TF 8–2475.

Summary: Shows how the medical corpsman prepares patients for meals, serves trays, assists semi-helpless and postoperative patients, and feed helpless patients; emphasizes the importance of the duties and attitude of the corpsman in the ultimate recovery of the patient.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 6: The enema (*Motion picture*) U. S. Dept. of the Army, 1957.

10 min., sd., b&w, 16 mm.

Order no. TF 8–2476.

Summary: Shows the proper way to administer the cleansing enema. Salient teaching points cover: preparation of equipment and solution, preparation of patient, administering the enema, after-care of the patient, after-care of equipment observation of results, and the corpsman's required report to the doctor.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 7: Sterile technique (*Motion picture*) U. S. Dept. of the Army, 1957.

13 min., sd., b&w, 16 mm.

Order no. TF 8–2477.

Summary: Portrays the practice of sterile technique, emphasizing the observance of 3 rules—use only sterile equipment, keep equipment sterile while in use, keep area sterile. Shows sterilization of equipment by means of moist heat, dry heat, and chemicals, including autoclaving, boiling, baking, and flaming methods; the correct use of sterile forceps and towels in handling sterile equipment; the covering of equipment to keep it sterile when not in use; and the cleansing and protection of the area being treated.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients. Part 8: Pre-operative care (*Motion picture*) U. S. Dept. of the Army, 1957.

9 min., sd., b&w, 16 mm.

Order no. TF 8–2478.

Summary: Shows the mental and physical care given the patient before surgery and defines the responsibilities of each member of the medical team—doctor, nurse, corpsman, and operating room specialist. Depicts the procedures followed during the day, evening, and morning before surgery, including shaving the surgery site, the enema, morning bath, and pulse and blood pressure check.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic care of patients: Part 9: Postoperative care (*Motion picture*) U. S. Dept. of the Army, 1957.

12 min., sd., b&w, 16 mm.

Order no. TF 8–2479.

Summary: Shows the special care given the patient after surgery, and emphasizes that the patient's ultimate recovery is dependent upon the proper techniques used by the corpsman and other members of the medical team during this phase.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic DC meter movement (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

3 min., sd., b&w, 16 mm. (Basic electricity series)

Order no. MN 8016–e.

Summary: Shows a representative meter, describes its essential components, and explains their functions

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Basic electricity (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., color, 16 mm.

Order no. AF 213–a.

Summary: An animated cartoon explaining the fundamentals of electricity, including voltage, current, resistance, magnetic fields, induction, primary and secondary coils, series and parallel circuits.

Borrow from AF. *Buy from* NF.

Basic electricity: AC parallel circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.
5 min., sd., b&w, 16 mm.
Order no. MN 8018–d.
Summary: Shows the elements of an AC parallel circuit, examines the effects of current, and shows what the generator sees in the following circuits: LC parallel circuit, where X_L exceeds X_C; and LCR parallel circuit, where X_C exceeds X_L; and an LCR parallel circuit, where X_C equals X_L.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Basic electricity: AC series circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.
4 min., sd., b&w, 16 mm.
Order no. MN 8018–c.
Summary: Shows the elements of an AC series circuit; demonstrates, by sine waves and circuits, the effects upon and phase relationship between current and voltage. Using an LCR circuit, examines the effects of voltage and shows what the generator sees when X_L exceeds X_C and when X_C exceeds X_L. Demonstrates also a series resonant circuit using an LCR circuit where X_C and X_L are equal.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Basic electricity: Capacitance in AC circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.
5 min., sd., b&w, 16 mm.
Order no. MN 8018–b.
Summary: Defines capacitance and demonstrates how a capacitor works; explains capacitive reactance and its effects in an AC circuit, the factors that affect capacitative reactance, and phase angle; discusses the physical factors that affect capacitance and the effect of capacitance in an AC circuit.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Basic electricity: Inductance in AC circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.
7 min., sd., b&w, 16 mm.
Order no. MN 8018–a.
Summary: Defines inductance and explains its cause and effect in an AC circuit. Illustrates inductive reactance, the factors that affect inductive reactance in an AC circuit, and the phase relationship between current and voltage as a result of the presence of inductance in the circuit.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Basic electricity series
see
Basic DC meter movement
Current flow, what it is
Electromagnets
The electron theory
How magnets produce electricity
What causes current flow: EMF
What controls current flow: Resistance

Basic electronics (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., color, 16 mm.
Order no. AF 213–b.
Summary: An animated cartoon explaining the meaning of atoms and electrons, vacuum tube, cathode, rectifier tube, amplifier tube, grid, and bridge circuits.

Borrow from AF. *Buy from* NF.

Basic helicopter flight principles (*Motion picture*) U. S. Dept. of the Army, 1956.
15 min., sd., b&w, 16 mm.
Order no. TF 46–2209.
Summary: Explains, through animation and live photography, the basic aerodynamic principles applied to helicopter flight including lift, thrust, drag, weight, velocity of airflow over airfoil, collective pitch, cycling pitch, dissymetry of lift, coning and coning angle, flapping and flapping angle, gyroscopic precession laws, and torque.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic helicopter flight training. Part 1: Pilot's pre-flight inspection (*Motion picture*) U. S. Dept. of the Army, 1957.
27 min., sd., b&w, 16 mm.
Order no. TF 46–2381.
Summary: Outlines the general configuration of the H–13E reconnaissance type helicopter used in basic flight training; describes the function and location of its controls; and demonstrates the preflight inspection procedure, including exterior and interior inspection of aircraft, check of controls, engine check, check of rotor blade assemblies, check of instruments, controls, and switches in cockpit, and starting and warm-up procedures.
Borrow from Army.

Basic hydraulic governor (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 1)
Order no. MN 2598–a.
Summary: Function of Marquette hydraulic governor; basic construction; operation of principal parts of the hydraulic system. Schematic animation.

Borrow from Navy. *Buy from* NF.

Basic laboratory training for nonprofessional workers series
see
Care of laboratory animals
GS-1 meets the laboratory
Handling and use of glassware
Using animals in the laboratory

Basic machines series
see Machine shop work series. Basic machines

Basic map reading series
see
Direction, orientation, and location with compass
Direction, orientation, and location without a compass
Elevation, distance, and grid
Photos and photomaps
Topographic symbols

Basic net mending (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.
17 min., sd., color, 16 mm.
Summary: Shows the equipment and basic procedures used in the mending of large fish nets.
Borrow from FWS. *Buy from* NF.

Basic nursing care series
see
The bed bath
Eye treatments
Intravenous administration of fluids
Making a recovery bed
Making an unoccupied bed
Making the occupied bed
Oral administration of medications
Postoperative care
Preoperative care

The basic physics of an atomic bomb (*Motion picture*) U. S. Dept. of Defense, 1951.
19 min., sd., color, 16 mm.
Summary: Explains the basic principles of atomic energy and the atomic bomb, including atomic numbers, isotopes, half-life, fusion, fission, chain reaction, and critical mass. Primarily animation.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic portraiture lighting (*Motion picture*) U. S. Dept. of the Air Force, 1951. Released for public educational use through U. S. Office of Education, 1951.
14 min., sd., b&w, 16 mm.
Order no. SFP 273.
Summary: Illustrates the basic procedures and arrangements for portrait lighting, and demonstrates the four fundamental types of lighting used by photographers, namely, front, 45-degree, side, and back lighting.

Buy from NF.

Basic principles of frequency modulation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm.
Order no. TF 11–2069.
Summary: Describes what "FM" is in radio communication, how it is used, and what its advantages and limitations are.

Borrow from Army. *Buy from* NF.

Basic principles of kitchen layout (*Filmstrip*) U. S. Public Health Service, 1953.
84 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Food handling series)
Order no. F 148–e.
Summary: Explains by artists' drawings and narration the basic principles of layout of kitchen facilities and equipment for eating establishments, showing sizes and shapes of kitchens, work flow arrangements, factors affecting economy and efficiency of equipment layout, location of storage facilities, and the relationship of proper equipment to cleanliness.

Borrow from PHS. *Buy from* NF.

Basic principles of power reactors (*Motion picture*) U. S. Atomic Energy Commission, 1962. Made by U. S. Dept. of the Air Force.

9 min., sd., color, 16 mm.
Summary: An animated film which discusses nuclear-power reactors and how they produce steam for the generation of electricity. Describes fission, controlled chain reaction, and the function of basic reactor components (e. g., core, reactor vessel, shielding, moderators, coolants, and control rods)

Borrow from AEC. *Buy from* LMAFS.

Basic principles of refrigeration (*Filmstrip*) U. S. Public Health Service, 1951.
71 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Food handling series, no. 1)
Order no. F 21–a.
Summary: Explains the importance of refrigeration in the prevention of food-borne disease outbreaks, the principles of the cooling cycle, and the maintenance and proper use of a refrigerator.

Borrow from PHS. *Buy from* NF.

Basic principles of the analytical balance (*Motion picture*) U. S. Public Health Service, 1951.
19 min., sd., b&w, 16 mm.
Order no. M 12.
Filmstrip with same title also available.
Summary: Explains the uses of the analytical balance and shows how to find the zero point of the balance, find its sensitivity, calibrate the weights, weigh an object, and weigh out a predetermined amount of material.

Borrow from PHS. *Buy from* NF.

Basic principles of the analytical balance (*Filmstrip*) U. S. Public Health Service, 1951.
100 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. F 12.
Motion picture with same title also available.

Borrow from PHS. *Buy from* NF.

Basic principles of the reciprocating engine (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S Office of Education, 1948.
81 fr., b&w, 35 mm.
Order no. SCG 176, formerly SG 2312.
Summary: Shows by diagrams the steam cycle of the reciprocating engine, its construction and principal parts, and its method of operation.

Buy from NF.

Basic technique for home landscaping (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Association of Nurserymen, 1958. Made by Sun-Dial Films.
12 min., sd., color, 16 mm.
Summary: Shows the basic techniques for home landscaping such as: symmetry and balance, play and garden spaces, and the private and outdoor living areas planted with trees, shrubs, and flowers.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Basic techniques of pipetting
see Chemical techniques: Basic techniques of pipetting

Basic telephony (*Motion picture*) U. S. Dept. of the Army, 1961.

23 min., sd., b&w, 16 mm.
Order no. TF 11–3116
Summary: Explains the electromagnetic theory as applied to basic telephony, and describes the components, operation, and transmission range of the three fundamental telephone systems commonly used in tactical operations—sound powered, local battery, and common battery.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Basic typing: Machine operation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
29 min., sd., b&w, 16 mm.
Order no. MN 1512–b.
Summary: Demonstrates various typing speeds from 35 to 180 words per minute; functions and uses of the principal parts of a typewriter; and correct touch for noiseless, manual, and electric machines.
Borrow from Navy.

Basic typing: Methods (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
31 min., sd., b&w, 16 mm.
Order no. MN 1512–a.
Summary: Demonstrates correct posture for typing; proper fingering of the keys; use of the shift key, back spacer, tabulator, carriage return lever, etc.; and differences between manual and electric typewriters.
Borrow from Navy.

Basic use of levels by sanitarians (*Filmstrip*) U. S. Public Health Service, 1954.
45 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 176.
Summary: Illustrates, through a demonstration of a septic tank installation, the basic uses of the engineer's level, string level, carpenter's level, transverse hose filled with water, and hand level.

Borrow from PHS. *Buy from* NF.

Bathing the patient: Home care (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
24 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 403.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Procedures for bathing a patient in the home; equipment and supplies; methods of bathing—including draping, soaping, rinsing, and drying of each body part; techniques of oral hygiene, massaging, and shaving.

Buy from NF.

Bathing the patient: Home care (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

52 fr., b&w, 35 mm. (Nursing series)

Order no. OE 403–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The battery, ignition, and electrical system (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

26 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 2)

Order no. OE 462.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to check and service the battery; check the starting motor, generator, lighting circuit, electrical instruments, and ignition system.

Buy from NF.

The battery, ignition, and electrical system (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

55 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 2)

Order no. OE 462–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Battle for time (*Motion picture*) U. S. Dept. of Defense, 1950.

29 min., sd., b&w, 16 mm.

Order no. CB 101.

Summary: Military operations in Korea from July 10 to August 10, 1950.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Battle of the beetles (*Motion picture*) U. S. Dept. of Agriculture, 1952.

16 min., sd., color, 16 mm.

Summary: Shows the damage done by bark beetles to healthy Engelmann spruce growing in National Forests and Parks; and describes how the U. S. Forest Service with the assistance of the Agriculture Research Service has been working to stop the spread of this insect infestation.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Be water wise: Boating (*Motion picture*) U. S. Dept. of the Air Force, 1960.

21 min., sd., color, 16 mm.

Order no. TF 1–5192b.

Summary: Depicts safe methods for canoeing, outboard motorboating, sailing, and skiing. Discusses marine traffic regulations, emergency measures, and courtesy codes.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Be water wise: Swimming (*Motion picture*) U. S. Dept. of the Air Force, 1960.

25 min., sd., color, 16 mm.

Order no. TF 1–5192a.

Summary: Shows how to enjoy safe swimming whether using controlled swimming facilities or unsupervised waters. Discusses five basic principles of safe swimming and points out the consequences when safety rules are ignored. Shows how to apply mouth-to-mouth resuscitation.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Beach obstacles (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

22 min., sd., b&w, 16 mm.

Order no. TF 5–1822.

Summary: Explains the purpose, types, employment, and construction of beach obstacles, including the wall obstacle; trapezoidal, triangular, and sidehill types of anti-tank ditches; skeletal scaffold; concrete, steel, and wood pyramids; the hedgehog; the crib; the cairn; the ramp; stakes, the nutcracker; and floating mines.

Borrow from Army.

Bearing disassembly and inspection (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–c.

Summary: Demonstrates how to disassemble main bearings, inspect, take readings on the bearing shell, and use care in handling the parts.

Borrow from Navy. *Buy from* NF.

Bearing reassembly (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–d.

Summary: Demonstrates how to roll the bearing shell back into place; install cap, wedge blocks, and wedge shoe; and connect the lube oil line.

Borrow from Navy. *Buy from* NF.

Bearing removal and inspection, 8–268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)

Order no. MN 209–d.

Summary: Demonstrates how to disassemble the main bearing; inspect, clean, and replace bearing shells; and reassemble the bearing.

Borrow from Navy. *Buy from* NF.

Bearings (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., b&w, 16 mm. (General Motors 16–278A diesel engine series)

Order no. MN 2707–b.

Summary: Deals with the maintenance of bearings, and demonstrates how to remove main bearings, inspect and install bearing shells.

Borrow from Navy. *Buy from* NF.

Bearings (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

9 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Disassembly)

Order no. MN 3708–c.

Summary: How to remove, inspect, and install main bearing cap, lower bearing shell, and upper bearing shell.

Borrow from Navy. *Buy from* NF.

Beating the heat (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

19 min., sd., color, 16 mm.

Order no. L–215.

Summary: Shows some of the NACA research facilities and techniques for studying the problems of aerodynamic heating at Langley Aeronautical Laboratory, Ames Aeronautical Laboratory, and NACA's pilotless aircraft research station at Wallops Island.

Borrow from NASA.

The Beaver–Selja incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

5 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202–y.

Summary: Collision of the Beaver and the Selja; and the reasons therefor.

Borrow from Navy. *Buy from* NF.

Because she is there (*Motion picture*) U. S. Dept. of the Air Force, 1953.
14 min., sd., b&w, 16 mm.
Order no. SFP 280.
Summary: Depicts the duties and responsibilities of an Air Force flight nurse, including pre-service training, Air Force training, and Air Force duties.
Borrow from AF. *Cleared for tv.*

The bed bath (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
19 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576-d.
Summary: Shows the supplies and equipment needed to give a bed bath to a patient, demonstrates the order of the bath, key techniques to be observed, the correct techniques to follow in giving the patient a back rub at completion of the bath, and emphasizes the importance of the bed bath in relation to observing signs and symptoms of the patient, producing a sedative effect, and in contributing to the general progress and well-being.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Bednetting, part 1 (*Motion picture*) U. S. Dept. of the Army, 1954.
5 min., sd., b&w, 16 mm.
Order no. MF 8-8240.
Summary: Stresses the dangers to soldiers in the field from mosquitoes, and the importance of using bednetting and aerosol bombs correctly. Compares bednetting to a suit of armor.
Borrow from Army. *Buy from* NF.

Bednetting, part 2 (*Motion picture*) U. S. Dept. of the Army, 1954.
5 min., sd., b&w, 16 mm.
Order no. MF 8-8241.
Summary: Stresses the dangers to soldiers in the field from mosquitoes, and the importance of using bednetting and aerosol bombs correctly. Compares the mosquito proboscis to a spear.
Borrow from Army. *Buy from* NF.

Beef cattle performance testing (*Motion picture*) U. S. Dept. of Agriculture, 1955.
6 min., sd., b&w, 16 mm.
Summary: Describes research work conducted at the Beef Cattle Research Station, Front Royal, Va., to develop better beef cattle breeds. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Before the day (*Motion picture*) U. S. Social Security Administration, 1960.
29 min., sd., b&w, 16 mm.
Summary: Reviews the founding of the several programs that make up social security in the United States. Focuses upon what happened before social security started and what happens before a recipient's first social security check arrives.
Borrow from SS. *Buy from* NF. *Cleared for tv.*

Beginning algebra I, lecture 1: Algebra, the international language (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the meaning of algebraic words, translating words to symbols and symbols to words.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 2: Algebra, the international language (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Reviews key algebraic words; explains the use of the unknown, and shows how to translate words into equations.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 3: Formulas (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Reviews basic algebraic formulas and explains the order of operations and the evaluation procedure.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 4: Simple equations and formulas (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the basic algebraic laws and defines the vocabulary used. Demonstrates and explains the solution of equations and the changing of the subjects of formulas.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 5: Dependence of quantities (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Uses tables, graphs, and formulas to explain and demonstrate dependence of quantities.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 6: Interpretation and construction of graphs (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains how to interpret graphs and describes and demonstrates the construction of vertical-bar and broken-line graphs. Includes a vocabulary.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 7: Statistical averages; addition and subtraction of directed numbers (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the terms mean and median as applied to statistical average; describes how to use directed numbers; and demonstrates the addition and subtraction of directed numbers.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 8: Multiplication and division of directed numbers (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates the multiplication and division of directed numbers.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 9: Fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains how to add and subtract monomials and polynomials. Explains the use of parentheses.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 10: Fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the multiplication laws, and demonstrates how they are used in multiplying and dividing monomials and polynomials.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 11: Linear equations in one unknown (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses and demonstrates the solution of equations in one unknown.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 12: Linear equations in one unknown (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates equations with parentheses, equations with fractions, and literal equations.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 13: Linear equations in one unknown (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the general method of problem solving, explains how to solve number, age, and money problems; describes and shows the use of integers and perimeters.
Buy from NF. *Cleared for tv.*

2

Beginning algebra I, lecture 14: Linear equations in two unknowns (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates how to graph a single equation, a pair of equations, inconsistent equations, and dependent equations.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 15: Linear equations in two unknowns (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains how to eliminate one of two unknowns by addition, by subtraction, and by substitution.
Buy from NF. *Cleared for tv.*

Beginning algebra I, lecture 16: Application of simultaneous equations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates the application of simultaneous equations.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 1: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Gives an introduction to the course Beginning algebra II. Explains and demonstrates the removal of a common factor.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 2: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Describes and demonstrates horizontal multiplication of binomials, factoring a general trinomial, and factoring perfect square trinomials.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 3: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains procedure for arriving at the product of the sum and difference of two numbers, and demonstrates how to factor the difference of two perfect squares and a quantity squared.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains complete factoring; quadratic equations solved by factoring; and the application of quadratic equations.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 5: Fractions, fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates the fundamental operations of multiplication and division of fractions.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 6: Fractions, fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates the fundamental operations of addition and subtraction of fractions.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 7: Fractional equations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses and demonstrates the general solution of fractional equations.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 8: Fractional equations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the application of fractional equations.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 9: Ratio, proportion, and variation (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the general concepts of ratio, proportion, and variation, and shows their use in the solution of problems.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 10: Numerical trigonometry (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the basic functions in numerical trigonometry; shows the use of tables; demonstrates the simple applications of numerical trigonometry.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 11: Numerical trigonometry (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses interpolation, and demonstrates the simple application of interpolation to practical problems.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 12: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses fractional exponents, the extraction of square roots, the use of square root tables, and the use of the Pythagorean theorem.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 13: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses and demonstrates the simplifying and the combining of radicals.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 14: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses rationalizing denominators; explains and demonstrates the multiplication and the division of radicals.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 15: Quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains incomplete quadratics, and demonstrates the solution of problems by factoring, by completing the square, and by formula.
Buy from NF. *Cleared for tv.*

Beginning algebra II, lecture 16: Quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the applications of quadratic equations.
Buy from NF. *Cleared for tv.*

Behavior of wild Norway rats (*Motion picture*) U. S. Dept. of the Army, 1957.
28 min., sd., b&w, 16 mm.
Order no. MF 8-8791.
Summary: Study of the behavior of wild Norway rats, conducted during 1947–1949 under the sponsorship of Johns Hopkins University. Presents examples and situations illustrating rat behavior in four major areas—manual abilities and modification of surroundings, maturation into adult society, territorial defense, and sexual behavior.
Borrow from Army.

Behavioral changes following paleocortical injury in rodents, carnivores, and primates (*Motion picture*) U. S. Dept. of the Army, 1953.
24 min., sd., color, 16 mm.
Order no. PMF 5281.
Summary: Shows hypersexuality induced by brain injury in animals; a surgical technique utilized in ablating portions of the brain; and scenes of pre- and post-operative behavior of agoutis, cats, and monkeys illustrating their change from wildness to extreme docility. For medical personnel.
Borrow from Army. *Buy from* NF.

Behind the flyways (*Motion picture*) U. S. Fish and Wildlife Service, 1951.
29 min., sd., color, 16 mm.
Summary: Explains the reasons for migratory waterfowl regulations from the viewpoint of a hunter. Contains scenes from the Arctic Ocean to the Rio Grande River showing how hunters, biologists, and fieldmen collect information about waterfowl migrations, and how the regulations are made.
Borrow from FWS. *Cleared for tv.*

Belo Horizonte (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.
18 min., sd., b&w, 16 mm.
Summary: Explains the development of Belo Horizonte, Brazil's "planned city with a plan."
Buy from NF.

Below knee amputation (*Motion picture*) U. S. War Dept., 1946.
14 min., sd., color, 16 mm.
Order no. PMF 5081.
Summary: Demonstrates a method of amputation immediately following injury and in secondary repair of a stump. For medical personnel.
Borrow from Army.

Beltsville energy saving kitchen workroom (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
35 double fr., color, 35 mm.
Order. no. C-58.
With lecture notes.
Summary: Shows a kitchen workroom developed, on the basis of research into energy costs and space needs for performance of household tasks, by housing specialists at the home economics laboratories at Beltsville Research Center.
Buy from PhotoLab.

Beltsville newsreel, no. 3 (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
Summary: Describes recommendations for use of zoysia grass for lawns, plastic covers for stack silos, and virus-free strawberries.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Beltsville newsreel, no. 7 (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
Summary: Describes two research projects conducted at the Agricultural Research Center, Beltsville, Md., and at the Eastern Regional Research Laboratory, Philadelphia, Pa., on the use of inedible fats to grow more pounds of turkey with less feed and on the development of synthetic detergents from animal fats.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Beltsville newsreel, no. 13 (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., b&w, 16 mm.
Summary: Describes the research activities conducted on the production of potato flakes and the development of shrinkproof wool by a simple chemical treatment.
Rent from DA film libraries. *Cleared for tv.*

Beltsville newsreel, no. 14 (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., b&w, 16 mm.
Summary: Describes the research activities conducted on the development of supima cotton, powdered forms of fruit juices, and better-producing hybrid lambs. Also discusses a study of the common housefly.
Rent from DA film libraries. *Cleared for tv.*

Beltsville newsreel, no. 16 (*Motion picture*) U. S. Dept. of Agriculture, 1958.
7 min., sd., b&w, 16 mm.
Summary: Describes the research activities conducted on the chemical control of Mesquite trees to increase forage for grazing; on taste testing for off-flavor problems of soybean oil; on the production of high quality wool from fleece; and on an underground water storage project.
Rent from DA film libraries. *Cleared for tv.*

Bence-Jones protein test (*Motion picture*) U. S. Veterans Administration, 1957.
5 min., sd., color, 16 mm.
Summary: Explains that the Bence-Jones protein test, although routinely performed in most clinical laboratories, is rarely positive. Shows a dramatically positive Bence-Jones protein test applied to urine containing almost pure Bence-Jones albumose.
Borrow from VA.

Bench molding series
see Foundry practice series. Bench molding

Bench work, 8–268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)
Order no. MN 209–c.
Summary: Demonstrates how to check parts for cracks, use ring expansion tool, insert wrist pin bearings, reassemble piston, and replace needles in the eye of connecting rod.
Borrow from Navy. *Buy from* NF.

Benchwork, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., b&w, 16 mm. (General Motors 16–278A diesel engine series)
Order no. MN 3707–e.
Summary: How to remove valves, overspeed trip assembly, transfer block, and check valve.
Borrow from Navy. *Buy from* NF.

Benchwork, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (General Motors 16–278A diesel engine series)
Order no. MN 3707–f.
Summary: How to clean and inspect the head; resurface valve seats; lap valves; and "mike" guides and valves.
Borrow from Navy. *Buy from* NF.

Benchwork, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm. (General Motors 16–278A diesel engine series)
Order no. MN 3707–g
Summary: How to install valves, overspeed trip, and transfer block; test valve and relief valve assembly; and start air starting check valve.
Borrow from Navy. *Buy from* NF.

Benchwork, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

26 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)

Order no. MN 3707–h.

Summary: How to disassemble the piston assembly; inspect and "mike" the piston, wrist pin, and wrist pin bearings; check ring clearance; reassemble piston and rod; and inspect, clean, and "mike" the liner.

Borrow from Navy. Buy from NF.

Benchwork series
see
Cooper Bessemer diesel engine maintenance series. Bench work
Fairbanks Morse diesel engine maintenance series. Benchwork
Machine shop work series. Bench work
Progressive maintenance on the General Motors 12-567A diesel engine series. Benchwork

Bending copper tubing to a wire template (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 1)

Order no. OE 102.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How tubing is annealed, cooled, and filled with rosin; how a wire template is made; and how bends are marked on copper tubing, made, and checked.

Buy from NF.

Bending copper tubing to a wire template (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

37 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 1)

Order no. OE 102–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Bending oak techniques (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Eastern Sound Studios. Released for public educational use through U. S. Office of Education, 1950.

17 min., sd., b&w, 16 mm.

Order no. FN 6734.

Summary: Demonstrates techniques of bending oak billets of Navy motor launch hulls; presentation of bending machines, procedure prior to bending, cautions to be observed during bending operations, storing of bent billets, and cutting of ribs.

Borrow from Navy. Buy from NF.

Bending to a cleat (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.

Order no. MCG 306, *formerly* MG 2322–a.

Supplementary filmstrip of same title also available.

Summary: Explains how bending to a cleat is used in mooring operations, and demonstrates the procedure.

Buy from NF.

Bending to a cleat (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

15 fr., b&w, 35 mm.

Order no. SCG 306, *formerly* SG 2322–b.

Supplements motion picture of same title.

Summary: Demonstrates how to bend a line to a cleat and form a weather hitch.

Buy from NF.

Beneath Navy wings (*Motion picture*) U. S. Dept. of the Navy, 1961.

28 min., sd., color, 16 mm.

Order no. MN 9454

Summary: A recruiting film which uses the story of two enlisted men aboard an ASW patrol plane to emphasize the education and training involved in preparing enlisted men and women for work in various naval aviation specialities.

Borrow from Navy. Buy from NF. Cleared for tv.

The Benelux countries (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

22 min., sd., b&w, 16 mm.

Order no. AFIF 54.

Summary: A study of Belgium, the Netherlands, and Luxemburg, covering the historical background, and the current social, economics, and military status of each. Explains the significance of the customs union, named Benelux, formed by these three countries.

Borrow from Army.

Benign dental tumors (*Motion picture*) U. S. Dept. of the Army, 1950.

29 min., sd., color, 16 mm.

Order no. PMF 5136.

Summary: Gives the history, diagnosis, characteristics, treatment, and results of various cases of benign dental tumors. For professional personnel.

Borrow from Army.

Bennington College (*Motion picture*) U. S. Dept. of State, 1953. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education.

23 min., sd., b&w, 16 mm.

Summary: Describes the teaching methods at Bennington College, Vermont, and illustrates these methods by tracing the college career of one student, including her activities in the classroom and in the community as she prepares herself in her chosen field. Prepared for overseas use.

Buy from NF. Cleared for tv. Prior authorization required.

Bent with the years (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

Summary: Explains some of the changes being made in the ways of living of Japanese women, and emphasizes their activities in and benefits derived from the post war rural cooperative associations which have been formed by Japanese women. Prepared for use in occupied areas, particularly Japan.

Buy from NF.

Best by test (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

21 min., sd., b&w, 16 mm.

Order no. AFSR 98.

Summary: Portrays the choice of foods, tastefulness, dietary value, and method of service in the Army.

Borrow from Army. Buy from NF. Cleared for tv.

Better dummy joints (*Motion picture*) U. S. Army Engineers, 1956.

9 min., sd., color, 16 mm.

Summary: Shows a method of construction of contraction joints in concrete paving, using corrugated paper board to provide the plane of weakness.

Borrow from Eng. Cleared for tv.

Better eating (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

7 min., sd., color, 16 mm.

Summary: Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.

Buy from NF. Cleared for tv.

Better eating
see also
La hortaliza en casa
Hortas

Better farm buildings (*Motion picture*) U. S. Dept. of Agriculture, 1955.

6 min., sd., b&w, 16 mm.

Summary: Shows new techniques developed for construction of stronger farm buildings for protection against tornadoes and hurricanes. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Better farm markets (*Motion picture*) U. S. Dept. of Agriculture, 1956.

4 min., sd., b&w, 16 mm.

Summary: Shows results of USDA research in improving marketing facilities for farm produce. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Better farming; more milk (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

10 min., sd., color, 16 mm.

Summary: Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.

Buy from NF. *Cleared for tv.*

Better farming; more milk
see also
Mas leche
Produza mais leite

Better living through dairy cooperatives (*Motion picture*) U. S. Dept. of Agriculture, 1955.

5 min., sd., b&w, 16 mm.

Summary: Describes the organization and operation of dairy cooperatives, and how cooperatives have helped to reduce costs and improve the quality of milk. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Better living through research (*Motion picture*) U. S. Dept. of Agriculture, 1958.

21 min., sd., color, 16 mm.

Revision of the 1952 motion picture entitled: Research for better living.

Summary: Shows some of the research conducted by the Department of Agriculture at the Institute of Home Economics, Beltsville, Md., in the fields of food and nutrition, textiles and clothing, housing and household equipment, and family economics.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Better markets—a matching fund success story (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

16 fr., color, 35 mm.

Order no. C-95

Summary: Discusses the matching fund marketing service of the U. S. Department of Agriculture.

Buy from Photo Lab.

Better seeds for better grasslands (*Motion picture*) U. S. Dept. of Agriculture, 1955.

31 min., sd., color, 16 mm.

Summary: Emphasizes the importance of improved varieties of legume and grass seeds and proper management in the improvement of grasslands.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Better small engines (*Motion picture*) U. S. Army Engineers, 1957.

15 min., sd., color, 16 mm.

Summary: Reviews the work accomplished by the Corps of Engineers, under the Department of Defense Gasoline engine standardization program, to improve and standardize the small industrial type gasoline engines used in military operations. Covers engine design and performance, features, production techniques, plans for quantity production, and typical equipment applications.

Borrow from Eng. *Cleared for tv.*

A better tomorrow (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

24 min., sd., b&w, 16 mm. (American scene series, no. 8)

Summary: Shows activities of children and youth in the New York City public schools, and stresses the values of free public education open to all.

Buy from NF.

The bevel protractor (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

15 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 7)

Order no. OE 50.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Principles of the vernier bevel protractor; how to set and read the bevel protractor, and use the protractor to lay cut angular work and to check angles.

Buy from NF.

The bevel protractor (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

34 fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 7)

Order no. OE 50-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Beveling, grooving, and rounding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

27 min., sd., b&w, 16 mm. (Optical craftsmanship series)

Order no. MN 2449-g.

Summary: Illustrates techniques involved in grooving, beveling, and rounding both flat and curved surfaces; demonstrates importance of beveling the edges of all optical surfaces to prevent chipping, adaptation of surface grinder for grooving, and two common types of rounding machines.

Borrow from Navy.

Beveling, mitering, rabbeting, and dadoing (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the variety saw, no. 2)

Order no. OE 307.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to cut a bevel with tilted fence; set a miter gage; use a stopblock in mitering; set the fence and blade for cutting rabbets; and install and use a dado head.

Buy from NF.

Beveling, mitering, rabbeting, and dadoing (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

35 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 2)

Order no. OE 307-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Beveling, mitering, rabbeting, and dadoing
see also
Biseau, onglet, feuillure, et entaille

Beveling, stop chamfering, and tapering square stock (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

20 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 2)
Order no. OE 303.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set fence for bevel cutting; adjust the proper amount of cut; cut chamfer; set the infeed and outfeed tables and stop blocks; and cut tapers.

Buy from NF.

Beveling, stop chamfering, and tapering square stock (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

62 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 2)
Order no. OE 303-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Beveling, stop chamfering, and tapering square stock
see also
Biseau, chanfrein arrête et effilage progressif d'une pièce carrée

Beyond silence (*Motion picture*) U. S. Information Agency, 1960. Made by Milner-Fenwick. Released for public educational use in the United States through U. S. Office of Education, 1960.

16 min., sd., b&w, 16 mm.
Summary: Portrays the story of Gallaudet College in Washington, D. C., where the deaf are trained to prepare themselves for the hearing world. Follows a new student from class to class to show how the deaf simultaneously are taught lip-reading and sign language in the course of enrollment in a regular 4-year college curriculum leading to the degrees of bachelor of arts or bachelor of science. Explains that hearing students from other countries receive instruction at the Gallaudet Graduate School in the art of teaching the deaf. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Beyond the stick and rudder (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.
Order no. TF 1-5300.
Summary: Explains the basic principles of aerodynamics, shows how aircraft designers apply these laws to achieve superior design and performance without detracting from pilot safety, and emphasizes the pilot's need for a thorough knowledge of these laws for safe flying.

Borrow from AF. *Buy from* NF.

Biceps cineplastic technique (*Motion picture*) U. S. Navy Dept., 1961.

10 min., sd., color, 16 mm.
Order no. MED-5-61.
Summary: Discusses the advantages of biceps cineplastic technique over older methods in supplying motive power to a prosthesis. Illustrates the main steps in the surgical procedure.
Borrow from Navy. *Cleared for tv.*

The big gamble (*Motion picture*) U. S. Dept. of Agriculture, 1953.

15 min., sd., b&w, 16 mm.
Summary: Dramatizes some of the risks of farming—floods, drought, fire, insects, etc.—and explains how the Federal Crop Insurance Corp. can help farmers whose crops may be damaged or destroyed.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The big picture: Battlefields of Europe (*Motion picture*) U. S. Dept. of the Army, 1958.

29 min., sd., b&w, 16 mm.
Project no. 16859.
Summary: Describes major World War II battlefields of Europe and shows scenes of the battles and of the areas today. Included are Omaha Beach, St. Laurent, Cherbourg, Saint-Lo, Aachen, Metz, Malmedy, Luxembourg, Bastogne, Cologne, Remagen Bridge, Dortmund, Essen, Dusseldorf, and Nuremberg.

Borrow from Army. *Buy from* NF.

The big picture: Christmas in music (*Motion picture*) U. S. Dept. of the Army, 1956.

28 min., sd., b&w, 16 mm.
Project no. 16825.
Summary: Features the U. S. Army Field Band and Soldiers' Chorus, a total of more than 100 musicians and singers, conducted by Major Chester E. Whiting. Also presents a special Christmas message by Army Chief of Staff, General Maxwell D. Taylor, and a prayer for peace by Army Chief of Chaplains, Major General Patrick J. Ryan.
Borrow from Army.

The big picture: Countdown to Explorer (*Motion picture*) U. S. Dept. of the Army, 1958.

28 min., sd., b&w, 16 mm.
Order no. TV 397.
Summary: Tells the story of the successful launching of Explorers I and III by the U. S. Army at Cape Canaveral, Florida.
Borrow from Army.

The big picture: Medical service Corps (*Motion picture*) U. S. Dept. of the Army, 1956.

29 min., sd., b&w, 16 mm.
Order no. TV 310.
Summary: Shows how officers and enlisted men are instructed at Brooke Army Medical Center in the skills of hospital administration, evacuation of the wounded, field sanitation, diet control, serology, parasitology, pharmacology, and other subjects which support Army medical personnel in their work.
Borrow from Army.

The big picture: Operation Lifeline (*Motion picture*) U. S. Dept. of the Army, 1958.

28 min., sd., b&w, 16 mm.
Order no. MF 20-8944.
Summary: Describes the organization, methods, and advantages of the modernized military supply system patterned in accordance with new concepts of modern warfare. Includes an introduction by Wilber M. Brucker, Secretary of the Army.

Borrow from Army. *Buy from* NF.

Big pipe maneuver (*Motion picture*) U. S. Army Engineers, 1951.

18 min., sd., color, 16 mm.
Summary: Shows the fabrication of twin steel culverts 12 x 15,000 feet, their insertion into an excavated channel, and the diversion of a creek through them, thus providing a way for an aircraft runway extension at McChord Air Force Base.
Borrow from Eng. *Cleared for tv.*

Big river (*Motion picture*) U. S. Army Engineers, 1953.

30 min., sd., color, 16 mm.
Summary: Depicts the changes which have taken place in navigation on the lower Mississippi River and on the inland waterways system in recent years. Contrasts early steamboat navigation with the modern Diesel towboats, and shows the variety of commodities transported on the waterways system.
Borrow from Eng. *Cleared for tv.*

The big wheel (*Motion picture*) U. S. Dept. of the Army, 1950.

17 min., sd., b&w, 16 mm.
Order no. MF 130-7723.
Summary: History of 35th Infantry Division.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Bikini — radiological laboratory (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by University of Washington.
22 min., sd., color, 16 mm.
Summary: A pictorial record of a survey by University of Washington scientists of the effects of radioactivity upon plant and marine life on Bikini Atoll 3½ years after the 1946 Able and Baker atomic bomb tests.
Borrow from AEC. *Buy from* NF. *Cleared for tv.*

Biological and chemical decontamination; exteriors
see ABC warfare defense ashore: Biological and chemical decontamination; exteriors

Biological warfare decontamination; interiors
see ABC warfare defense ashore: Biological warfare decontamination; interiors

Biological warfare decontamination; personal equipment
see ABC warfare defense ashore: Biological warfare decontamination; personal equipment

Biological warfare decontamination; personnel
see ABC warfare defense ashore: Biological warfare decontamination; personnel

Biology and control of domestic mosquitoes (*Motion picture*) U. S. Public Health Service, 1960.
22 min., sd., color, 16 mm.
Order no. M 357.
Summary: Stresses the need for local health departments, civic and service groups, and individuals to cooperate with the U. S. Public Health Service in the control of domestic mosquitoes.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Biology and control of the cockroach (*Motion picture*) U. S. Public Health Service, 1960.
14 min., sd., color, 16 mm.
Order no. M 428.
Adapted from the 1953 filmstrip of the same title.
Summary: A filmograph designed to train sanitarians in recognition and control of the cockroach. Describes new insecticides for the control of cockroaches which are resistant to chlordane.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Biology and control of the cockroach (*Filmstrip*) U. S. Public Health Service, 1953.
62 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 91.
Summary: Shows five common species of the "domestic" cockroach, identification and life cycle of each species, habits of cockroaches, methods of inspecting premises for cockroaches, and control measures. For sanitarians, food handlers, and restaurant operators.
Borrow from PHS. *Buy from* NF.

Biology of domestic flies (*Motion picture*) U. S. Public Health Service, 1952.
9 min., sd., b&w, 16 mm. (Community fly control series)
Order no. M 80.
Filmstrip with same title also available.
Summary: Explains the life cycle of the house fly; characteristics of domestic flies (house, blow, flesh, and stable flies); typical breeding places; public health implications of the fly's mechanisms for transmitting disease organisms and filth; and control measures.
Borrow from PHS. *Buy from* NF.

Biology of domestic flies (*Filmstrip*) U. S. Public Health Service, 1951.
81 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Community fly control series)
Order no. F 80.
Motion picture with same title also available.
Borrow from PHS. *Buy from* NF.

Biology plus (*Motion picture*) U. S. Office of Education, 1962. Made by University of Illinois.
30 min., sd., b&w, 16 mm.
Summary: A filmed record of teaching and learning activities in a high-school biology class throughout a school year. Emphasizes the importance of laboratory and field experiences in the presentation of biology as a research science.
Buy from NF. *Cleared for tv.*

Birds; their value to agriculture (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. Fish and Wildlife Service, 1947.
61 fr., b&w, 35 mm.
Order no. 675.
With lecture notes.
Summary: Explains life and habits of birds and their economic value due to their use of insects as food. Shows provisions for protection and emergency feeding of birds.
Buy from PhotoLab.

Birth of an era (*Motion picture*) U. S. Army Engineers, 1954.
27 min., sd., color, 16 mm.
Summary: Shows the construction of the Clark Hill Dam on the Savannah River, and explains the importance of the planned development of the Savannah River basin for flood control, power, and navigation. Illustrates by animation how hydroelectric power is generated in a dam.
Borrow from Eng. *Cleared for tv.*

Biseau, chanfrein arrête et effilage progressif d'une pièce carrée (*Motion picture*) U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 2)
Order no. OE 308–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Beveling, stop chamfering, and tapering square stock.
Buy from NF.

Biseau, onglet, feuillure, et entaille (*Motion picture*) U. S. Office of Education, 1951.
19 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie combinée, no 2)
Order no. OE 307–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Beveling, mitering, rabbeting, and dadoing.
Buy from NF.

Bite 'em and C (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of oranges. Produced especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Black marketing (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
Summary: Dramatization of a typical case taken from the files of the Office of Price Administration, showing the operation of a black market and its defeat by cooperative efforts of the public and law-enforcement officials.
Buy from NF.

The blacksmith: Calculating and bending rings and links (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2350-a.
Summary: Teaches elementary shipsmithing including linear calculation of stock, forming of rings and links, forge welding, and the use of common hand blacksmith's tools.
Borrow from Navy. *Buy from* NF.

The blacksmith: Calculating and forging a deck socket wrench (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2350–b.
Summary: Shows the steps taken in forging a deck socket wrench from reading the blueprint and selecting the stock to forging and finishing.
Borrow from Navy. *Buy from* NF.

Blanking and piercing (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.
16 min., sd., b&w, 16 mm. (How to form aluminum series)
Order no. 205.
Summary: Shows techniques of blanking and piercing aluminum; operations of the die and punch; "gang blanking"; the Guerin method; the uses of different kinds of shears and saws and the routing machine.
Borrow from BM. *Cleared for tv.*

Blanking sheet metal on the squaring shear (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 1)
Order no. OE 130.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out tapered blanks on an aluminum sheet; set up a hand-operated squaring shear; use holddowns and treadle; and check and trim blanks.
Buy from NF.

Blanking sheet metal on the squaring shear (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
59 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 1)
Order no. OE 130–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Blanking sheet metal series
see Aircraft work series. Blanking sheet metal

Blanking sheet metal with hand snips (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.
18 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 2)
Order no. OE 131.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to cut along a straight line; cut an outside circle, a notch, an inside line; and remove burrs left by cutting.
Buy from NF.

Blanking sheet metal with hand snips (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.
45 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 2)
Order no. OE 131–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Blanking with rotary and high speed shears (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
16 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 4)
Order no. OE 292.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set up rotary and high-speed shears; make test cuts; and operate the shears for production runs.
Buy from NF.

Blanking with rotary and high speed shears (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
36 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 4)
Order no. OE 292–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Blanking with the swing arm router (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
17 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 3)
Order no. OE 132.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to operate a swing-arm router; set up the work and template for routing; change router bits; rout internal and external contours.
Buy from NF.

Blanking with the swing arm router (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
36 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 3)
Order no. OE 132–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Blastomyces dermatitidis (*Filmstrip*) U. S. Public Health Service, 1954.
45 fr., color, 35 mm. with disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Laboratory identification of systemic fungi, no. 1)
Order no. F 116–a.
Summary: Illustrates clinical signs and histologic aspects of *Blastomyces dermatitidis*, and techniques used in the microscopic examination of specimens.
Borrow from PHS.

Bleeding hydraulic brakes (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
58 fr., b&w, 35 mm.
Order no. SN 2794.
Summary: Indicates the three general types of hydraulic airplane brakes and explains the need for bleeding these brakes when air gets into the line. Shows step-by-step how to bleed each type.
Borrow from Navy.

Blind riveting (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
15 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 8)
Order no. OE 294.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Necessity for blind riveting; how to rivet parts that are completely blind; and use special tools and rivets in blind riveting jobs.
Buy from NF.

Blind riveting (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
25 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 8)
Order no. OE 294–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Block dissection and pneumonectomy for bronchogenic carcinoma, left side (*Motion picture*) U. S. Veterans Administration, 1958.
19 min., si., color, 16 mm.
Summary: Demonstrates a case of left-sided bronchogenic carcinoma, with radiographic findings and the surgical technic of radical pneumonectomy with block dissection of the mediastinal lymph node-bearing tissue and with pericardial resection. Includes a demonstration of the surgical pathology and postoperative radiograms.
Borrow from VA.

Block dissection and pneumonectomy for bronchogenic carcinoma, right side (*Motion picture*) U. S. Veterans Administration, 1959.
21 min., si., color, 16 mm.
Summary: Shows preoperative and postoperative X-rays in a case of bronchogenic carcinoma of the right lung, and the detailed steps for radical pneumonectomy with en bloc dissection of all the mediastinal and hilar lymph node-bearing tissue. Dissection extends from the cupola of the chest to the diaphragm. Intrapericardial dissection is also demonstrated. The removed pathological specimen is demonstrated postoperatively.
Borrow from VA.

Block that termite (*Motion picture*) U. S. Dept. of Agriculture, 1940.
20 min., sd., b&w, 16 mm.
Summary: Shows how to prevent termite infestation in new buildings, and how to arrest further damage in termite-infested buildings.
Rent from DA Film Libraries. *Buy from* NF.

Blood pressure readings (*Motion picture*) John Hopkins School of Hygiene and Public Health in cooperation with U. S. Public Health Service, 1958. Released by U. S. Public Health Service, 1963.

29 min., sd., b&w, 16 mm.

With guide.
Summary: Presents a series of clinical blood pressure measurements with the sphygmomanometer and stethoscope. Each scene shows the mercury being lowered in a manometer accompanied by the blood pressure sounds. A pause between each scene permits viewers to record their readings. Provides an opportunity to discuss differences in readings by a group who are reading the same blood pressures.
Credits: Author, Jane Wilcox.
Borrow from PHS. *Buy from* NF.

Blow-out pipets
see Chemical techniques: Blow-out pipets

Blue lupine (*Motion picture*) U. S. Dept. of Agriculture, 1947.
15 min., sd., color. 16 mm.
Summary: How to plant and harvest blue lupine, a nitrogen-producing cover crop used in the South; and how to clean, store, and care for blue lupine seed.
Rent from DA film libraries.

Blue ribbon (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
Summary: Shows family life and activities of rural youth in the United States, 4-H club activities and exhibits at county, agricultural fairs, and "blue ribbon" awards given to boys and girls for livestock, farm produce, and homemaking projects. Prepared for overseas use.
Buy from NF.

Blue tongue (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Defense Administration and California Dept. of Agriculture, 1954.
9 min., sd., color, 16 mm.
Summary: Describes the history and geographical distribution of blue tongue, catarrhal fever of sheep; symptoms, lesions, and pathology characteristic of the disease; and means of prevention and control.
Rent from DA film libraries. *Buy from* DA.

The bluejacket's personal hygiene (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by March of Time. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm.
Order no. MN 1509.
Summary: Stresses the importance of cleanliness and good health in the Navy. Describes correct posture, care of feet, hands, fingernails, hair, teeth, eyes, and ears; and explains how to prevent communicable diseases and avoid colds.
Borrow from Navy. *Buy from* NF.

Board of education (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.
23 min., sd., b&w, 16 mm.
Summary: Explains the benefits of a consolidated school and how the residents of a rural community in the United States organized to obtain such a school with improved educational opportunities for their children. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Boating safety, part A (*Motion picture*) U. S. Coast Guard, 1963.

18 min., sd., color, 16 mm.
Summary: Provides information regarding proper utilization of safety equipment aboard pleasure craft, including various types of life preservers and fire extinguishers, communication systems, flame arrestors and ventilators, and electrical circuits and batteries.
Borrow from CG. *Cleared for tv.*

Boating safety, part B (*Motion picture*) U. S. Coast Guard, 1962.

18 min., sd., color, 16 mm.
Summary: A continuation of subject matter contained in part A, covering additional safety subjects and showing the novice boat operator and his passengers how to meet emergencies when they occur.
Borrow from CG. *Cleared for tv.*

Boating safety, part C: Safety equipment (*Motion picture*) U. S. Coast Guard, 1963.

18 min., sd., color, 16 mm.
Summary: Demonstrates proper equipment and its correct utilization aboard pleasure craft, including various types of life preservers, signaling, anchor, and other devices calculated to increase boating knowledge.
Borrow from CG. *Cleared for tv.*

The body, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
43 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (First aid series)
Order no. SN 216–a.
Summary: Shows by photographs and drawings the parts of the body: bones, muscles, tendons, skin, blood, head, trunk, limbs.
Borrow from Navy. *Buy from* NF.

The body, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min. (First aid series)
Order no. SN 216–b.
Summary: Shows by photographs and drawings circulatory, respiratory, digestive, and nervous systems of the body.
Borrow from Navy. *Buy from* NF.

The boiler (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
96 fr., b&w, 35 mm.
Order no. SCG 117, formerly SG 1774.
Summary: Explains the formation of steam; defines such terms as "latent heat of steam" and "superheated steam"; and shows general parts of water and fire-tube boilers.
Buy from NF.

Boiler repair, water side: Closing the boiler (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
10 min., sd., b&w, 16 mm.
Order no. MN 7861–d.
Summary: Shows how to close the boiler and prepare it for service again after all necessary inspections have been made to the water sides, including inspection and replacement of faulty tubes.
Borrow from Navy. *Buy from* NF.

Boiler repair, water side: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
9 min., sd., b&w, 16 mm.
Order no. MN 7861–a.
Summary: An introduction to basic problems and conditions leading to boiler repairs, both water side and fire side. Discusses failure of tubes, their inspection and/or replacement, condition of the refractory, and various checkpoints.

Borrow from Navy. *Buy from* NF.

Boiler repair, water side: Removing boiler tubes (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
10 min., sd., b&w, 16 mm.
Order no. MN 7861–b.
Summary: Shows proper tools, materials, methods, precautions, and overall conditions for replacing boiler tubes. Stresses safety precautions.

Borrow from Navy. *Buy from* NF.

Boiler repair, water side: Replacing boiler tubes (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
8 min., sd., b&w, 16 mm.
Order no. MN 7861–c.
Summary: Shows how to replace boiler tubes after they have been properly removed and inspected for possible faults in operation and safety.

Borrow from Navy. *Buy from* NF.

Boiler repairs, fire side: Building walls and floors (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
13 min., sd., b&w, 16 mm.
Order no. MN 7862–a.
Summary: Shows the materials and methods to be utilized in building walls and floors in the fire side of the boiler. Includes a step-by-step analysis of laying insulating brick and firebrick by layers, and painting with air-setting mortar.

Borrow from Navy. *Buy from* NF.

Boiler repairs, fire side: High temperature castable refractories (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
14 min., sd., b&w, 16 mm.
Order no. MN 7862–d.
Summary: Explains the use of high temperature castable refractory and castable chrome ore, conditions necessary for their utilization, and all necessary steps for application, from premixing of materials to air-drying and baking-out.

Borrow from Navy. *Buy from* NF.

Boiler repairs, fire side: Installing plastic chrome ore (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
5 min., sd., b&w, 16 mm.
Order no. MN 7862–c.
Summary: Shows how to apply plastic chrome ore in a boiler through the portrayal of an actual installation from beginning to end. Stresses careful procedures and safety.

Borrow from Navy. *Buy from* NF.

Boiler repairs, fire side: Installing plastic fire brick (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
7 min., sd., b&w, 16 mm.
Order no. MN 7862–b.
Summary: Discusses conditions for using plastic firebrick and shows the step-by-step method of applying this material. Explains its advantages and disadvantages.

Borrow from Navy. *Buy from* NF.

Bomber (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
Summary: Shows the manufacture of the B–26 Army bomber and its speed and power in flight. Commentary especially written by Carl Sandburg.

Buy from NF.

Bonded thin concrete resurfacing (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. TF 1–5158.
Summary: Describes a new method of resurfacing runways, including cleaning the runway of debris, oil, and grease; thoroughly wetting down the runway; using foaming muriatic acid to provide a strong bond between old and new concrete; mixing and testing aggregate; locating forms; spreading special bonding mortar; and locating new joints over old.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Booking of military offenders (*Motion picture*) U. S. Dept. of the Army, 1952.
17 min., sd., b&w, 16 mm.
Order no. TF 19–1799.
Summary: Explains correct methods and procedures to be followed in recording incidents and processing military offenders at military police headquarters, and in searching such prisoners and handling their personal property.
Borrow from Army.

Books for everyone (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
Summary: Shows how the manufacture and distribution of millions of paper-bound books in America makes various types of publications easily available for education or entertainment. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Boring holes with offset boring head (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 7)
Order no. OE 209.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mount the workpiece on the milling machine table; bore with an offset boring head; and use plug gages and a micrometer to check the center distance between the holes.
Buy from NF.

Boring holes with offset boring head (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
45 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 7)
Order no. OE 209–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Boring to close tolerances (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 11)
Order no. OE 59.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mount and adjust the brass valve bonnet in a ring fixture; rough- and finish-face the hub; rough- and finish-bore the hole to close tolerances; prevent bellmouth when boring a hole.
Buy from NF.

Boring to close tolerances (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
24 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 11)
Order no. OE 59–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Boring to close tolerances
see also
Perforación micrométrica
Perfuração micrométrica

Borneo and Celebes (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.
91 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min. (Theatres of war series. Pacific area; Netherlands East Indies)
Order no. SN 1538-q.
Summary: Reviews the geographical features of Borneo and Celebes; and stresses the danger of Japanese patrols and the possible advantages of befriending natives for safe travel to a friendly base.
Borrow from Navy. *Buy from* NF.

Bougainville (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR-A-5.
Summary: Historical report of the landing operation and subsequent capture of Bougainville in 1943 by the American 37th Division, 14th Corps, and 3rd Marine Division.
Borrow from Navy. *Buy from* NF.

The bounteous earth (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
9 min., sd., color, 16 mm. (Mexican fiestas series, no. 2)
Summary: Two fiestas closely related to the agricultural life of the Mexicans; blessing of animals on Candlemas Day in Cholula; harvest dances in tropical Tehuantepec.
Buy from NF.

The bowline (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
4 min., sd., b&w, 16 mm.
Order no. MCG 307, formerly MG 2140-a.
Supplementary filmstrip of same title also available.
Summary: Demonstrates how to bend a bowline.
Buy from NF.

The bowline (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
33 fr., b&w, 35 mm.
Order no. SCG 307, formerly SG 2140-b.
Supplements motion picture of same title.
Buy from NF.

Brazil (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm. (South American medley series, no. 4)
Summary: Views of Santos, São Paulo, Rio de Janeiro, and the Amazon country.
Buy from NF.

Brazil gets the news (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Brazil Tourist Information Bureau, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., b&w, 16 mm.
Summary: Publication of a São Paulo newspaper from the receipt of a dispatch to the sale of the paper on the street.
Buy from NF.

Brazilian quartz goes to war (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., b&w, 16 mm.
Summary: Report on the mining of quartz in Brazil and of the importance of quartz in the production of radio equipment and other war supplies.
Buy from NF.

Brazilian trainees visit land grant colleges (*Motion picture*) U. S. Dept. of Agriculture, 1954.
4 min., sd., b&w, 16 mm.
Summary: Portrays Brazilian agriculturists touring farms and land grant colleges in the United States to learn the improved methods of farming and the new veterinary medicine techniques. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Brazil's fishing school (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.
15 min., sd., b&w, 16 mm.
Summary: Story of the Marambaia Fishing School, on the Bay of Ilha Grande, which trains Brazilian boys in fishing arts—building and handling small boats, making and repairing nets, and catching all kinds of fish from sardines to sharks.
Buy from NF.

Brazing carbide tools (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.
18 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 1)
Order no. OE 241.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Characteristics of carbide tools; how to braze carbide tools with silver solder; make a sandwich braze; braze by other methods; and remove the carbide tip from the shank.
Buy from NF.

Brazing carbide tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.
41 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 1)
Order no. OE 241-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Brazing flanges with silver solder (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
13 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 3)
Order no. OE 104.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How tubing and silver brazing flanges are fitted; flux applied; heat applied to draw silver solder in and out; and flanges cleaned after soldering.
Buy from NF.

Brazing flanges with silver solder (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
27 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 3)
Order no. OE 104-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Brazing flanges with spelter (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 2)
Order no. OE 103.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How copper tubing is prepared for flanges; flanges fitted for brazing; borax applied before brazing flanges; tube and flange brazed over a forge; and brazed flanges prepared for installation on the hull.
Buy from NF.

Brazing flanges with spelter (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
37 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 2)
Order no. OE 103-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Break your match (*Motion picture*) U. S. Dept. of Agriculture, 1953.

40 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 3, no. 1)

Summary: Explains the importance of breaking a match after its use in order to prevent fires. Prepared for television use.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Breakbone fever, "dengue" (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

8 min., sd., color, 16 mm. (Medicine in action series, no. 3)

Order no. MN 3726-c.

Summary: Shows effectiveness of mosquito control in checking the incidence of dengue in the Southwest Pacific.

Borrow from Navy. *Buy from* NF.

Breaking the language barrier (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., color, 16 mm.

Order no. SFP 1041

Summary: Portrays the new role of the Thunderbird demonstration team as ambassadors of the United States "in blue," explaining that the goodwill generated by their breathtaking flying maneuvers speaks a universal language as these precision pilots entertain thousands of spectators in several of the Far East SEATO nations.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Breakthrough: The challenge of agricultural research (*Motion picture*) U. S. Dept. of Agriculture, 1960.

28 min., sd., color, 16 mm.

Summary: Shows examples of research work under way in the Agricultural Research Service, including the fields of farm economics, entomology, animal husbandry, animal disease and parasites, agricultural engineering, soil and water, and crops; emphasizes that continual research and study are necessary for a "breakthrough" to be achieved.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Breast cancer: The problem of early diagnosis (*Motion picture*) American Cancer Society and U. S. National Cancer Institute, 1949. Made by Audio Productions.

34 min., sd., color, 16 mm.

With booklet.

Summary: A survey of cancer of the breast, covering normal breast development, clinical pathology of breast cancer, and examination of the breast; and stressing early diagnosis and treatment in lowering mortality figures. For general practitioners, gynecologists, residents, interns, medical students, nurses.

Borrow from ACS *or* NCI. *Buy from* ACS.

Breast self-examination (*Motion picture*) American Cancer Society and National Cancer Institute of the U. S. Public Health Service, 1950. Produced by Audio Productions.

16 min., sd., color, 16 mm.

Summary: Demonstrates a simple method for self-examination of the breast, designed to encourage women to make this examination a regular health habit. For general audiences of adult women, nurses, medical students and physicians.

Borrow from ACS *or* NCI. *Buy from* ACS.

The breaststroke, sidestroke, and underwater swimming (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

12 min., sd., b&w, 16 mm.

Order no. MCG 115–aj, formerly MG 2030.

Summary: Demonstrates the breaststroke and the sidestroke, and how to swim under water.

Buy from NF.

Breeds of sheep (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

56 fr., b&w, 35 mm.

Order no. 141.

With lecture notes.

Summary: Illustrates how breeds of sheep are classified on the basis of fine, medium, or coarse wool, and karakul fur.

Buy from PhotoLab.

Breeds of swine (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

33 fr., b&w, 35 mm.

Order no. 44.

With lecture notes.

Summary: Pictures several breeds of swine commonly used in producing market hogs in the United States; compares lard and bacon types.

Buy from PhotoLab.

Brief on Italy (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

27 min., sd., b&w, 16 mm.

Order no. AFIF 71.

Summary: Describes Italy's past, the nature of her people, and the present mode of life. Through the experiences of two servicemen with a typical Italian family, illustrates the significance of the human element and points up the value of learning a little of the language. Closes with a reaffirmation of the importance of friendly, respectful behavior for good Italian-American relations.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

A bright future (*Motion picture*) U. S. Dept. of the Navy, 1960.

14 min., sd., color, 16 mm.

Order no. MH–9438.

Summary: Presents a variety of typical professional work opportunities available to women officers in most Marine Corps installations. Designed for recruiting women officers in the Marine Corps.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Broaching an internal keyway (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on a broaching machine, no. 1)

Order no. OE 236.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Principles of internal broaching and of broaching tool design; how to select the broaching tool for the job, and set up and operate the horizontal broaching machine.

Buy from NF.

Broaching an internal keyway (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

35 fr., b&w, 35 mm. (Machine shop work series. Operations on a broaching machine, no. 1)

Order no. OE 236–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The broken bridge (*Motion picture*) U. S. Dept. of the Army, 1961.

44 min., sd., color, 16 mm.

Order no. MF 20–9377

Summary: Relates the Army missile program to the operational missiles deployed overseas and the research and development missiles under test and evaluation.

Borrow from Army. *Cleared for tv.*

Bronchiogenic carcinoma (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

16 min., sd., color, 16 mm.

Summary: Explains the incidence of bronchiogenic carcinoma, its diagnostic features and surgical management; and points out that patients with bronchiogenic carcinoma can be cured if diagnosis and treatment are introduced at an early stage of the disease. For medical personnel.

Borrow from VA. *Buy from* NF.

Browning machine gun caliber .30: Principles of operation (*Motion picture*) U. S. Dept. of the Army, 1954.

21 min., sd., b&w, 16 mm.

Order no. TF 9–1861.

Summary: Describes the purpose and functioning of the Browning machine gun caliber .30, the component parts of the weapon, and the mechanical functioning of the weapon. Demonstrates its firepower capabilities and value to a tactical unit.

Borrow from Army.

Brucellosis ring test (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., color, 16 mm.
Summary: Describes the methods and techniques of a presumptive herd test for brucellosis. Explains that the B. T. R. is applied to milk samples from dairy herds as a screen procedure to locate herds containing infected animals, and that infected herds, once located, are officially blood tested to locate and identify the individual animals.
Rent from DA Film Libraries. *Buy from* NF.

Budget size Bikini (*Motion picture*) U. S. Army Engineers, 1953.
14 min., sd., color, 16 mm.
Summary: Shows research in shallow-water explosions for the purpose of developing basic data relative to effects of explosions in shallow harbor areas. Illustrates some of the special instrumentation developed for the study and explains that data are obtained on shock-wave phenomena occurring in the air near the blast point, on characteristics of waves developing in water, and on cratering effects in shallow harbors.
Borrow from Eng. *Cleared for tv.*

Buenas condiciones en el trabajo (*Motion picture*) U. S. Office of Education [1959?]
9 min., sd., b&w, 16 mm.
Order no. OE 152-Sp.
Spanish version of the 1944 motion picture entitled Maintaining good working conditions.
Prepared in cooperation with U. S. Agency for International Development.
Summary: A dramatization in which two supervisors describe specific methods which they use to improve working conditions.
Buy from NF.

Buffering of carbon dioxide during hypercapnia (*Motion picture*) U. S. Dept. of the Army, 1963.
24 min., sd., color, 16 mm.
Order no. PMF 5356
Summary: Presents a clinical demonstration of the technique and effects of buffering carbon dioxide during hypercapnia. Follows the first test, which is performed on an untreated dog, and a second test on a treated dog. Describes preparation of the animal, the process of denitrogenation of the lungs, and the process of apneic oxygenation. Compares the effects on both animals.
Borrow from Army.

Building a bomber (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
19 min., sd., b&w, 16 mm.
Summary: Explains in detail the manufacture of the B-26 Army bomber. Intended primarily for students in engineering colleges and vocational schools.
Buy from NF.

Building a box beam spar (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
21 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 2)
Order no. OE 297.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to assemble parts of the spar in a jig; apply aircraft glue; clamp parts together for a good glue bond; varnish surfaces; and use jigs for accurate drilling.
Buy from NF.

Building a box beam spar (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
47 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 2)
Order no. OE 297-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Building a tank (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
20 min., sd., b&w, 16 mm.
Summary: Shows the construction of the M-3 Army tank, including technical details of manufacture.
Buy from NF.

Building a wooden rib (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.
19 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 1)
Order no. OE 296.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to assemble, fit, and glue wooden parts in a jig; fit and position the gussets to the framework; apply aircraft glue and varnish.
Buy from NF.

Building a wooden rib (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
38 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 1)
Order no. OE 296-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Building and utility layout (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
56 fr., b&w, 35 mm. (Surveying series)
Order no. FS 5-78.
Summary: Describes the procedure for surveying and laying out roads, utilities, and buildings at an army installation.
Borrow from Army. *Buy from* NF.

Building construction, advanced base type (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Frederick K. Rockett Co. Released for public educational use through U. S. Office of Education, 1954.
20 min., sd., b&w, 16 mm.
Order no. MN 7438.
Summary: Demonstrates the erection of packaged buildings, the steel arch rib buildings, 40 x 100 and 20 x 48, and the 40 x 100 steel straight side buildings. Explains the preparation of site, laying of footings, and problems peculiar to packaged buildings.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Building food sales through better merchandising (*Motion picture*) U. S. Dept. of Agriculture, 1959. Made by Boston University.
15 min., sd., color, 16 mm.
Summary: A study of sales results obtained for different types of store displays of canned foods.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Building for atomic energy (*Motion picture*) U. S. Atomic Energy Commission, 1958.
21 min., sd., color, 16 mm.
Summary: A semitechnical film which covers the construction of the AEC's Savannah River Plant, the largest single construction project ever undertaken by the AEC. Shows the major structural requirements created by the atomic production buildings; the various types of supporting buildings and structures; and the wide application of all phases of the construction industry required to build the plant.
Borrow from AEC. *Buy from* CP. *Cleared for tv.*

Building techniques series
see
Foundations and concrete
Framing: Floor joists and walls
Framing: Hip and valley rafters
Framing: Rafter principles and common rafters
Fundamentals of stair layout
Interior and exterior trim

Building the expansible farm house (*Motion picture*) U. S. Dept. of Agriculture, 1953.

6 min., sd., b&w, 16 mm.

Summary: Shows the step-by-step construction of a farm house according to a new design developed by the U. S. Department of Agriculture. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Building the fire line (*Motion picture*) U. S. Dept. of Agriculture, 1952.

27 min., sd., color, 16 mm.

Summary: Shows a typical forest fire problem and the tactics used by the fire boss, foremen, and crews—locating the fireline, deployment of men, assignment of tools, and choice of effective control and suppression measures.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Bulk milk handling (*Motion picture*) U. S. Dept. of Agriculture, 1955.

4 min., sd., b&w, 16 mm.

Summary: Describes the bulk handling of milk on the farm and the delivery by bulk tank trucks to the creamery. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

The bulkhead: Laying off and fitting a centerline stiffener (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 8)

Order no. OE 31.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Design of a centerline bulkhead stiffener; how to lay out the main stiffener bar with the water-lines and work lines; lay out, cut, and fit a main stiffner bracket and tripping brackets.

Buy from NF.

The bulkhead: Laying off and fitting a centerline stiffener (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

46 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 8)

Order no. OE 31-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 7)

Order no. OE 30.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to align templates to a bulkhead plate; mark off stiffener work lines on the bulkhead plate; and prepare the plate for welding the stiffeners.

Buy from NF.

The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

43 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 7)

Order no. OE 30-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The bulkhead: Setting a transverse watertight bulkhead into the hull (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 9)

Order no. OE 32.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to square a transverse bulkhead to a frame line and the centerline of the ship; set the bulkhead to proper height and declivity; cut the bulkhead to fit the innerbottom; and fit the bulkhead to the hull and tack-weld it.

Buy from NF.

The bulkhead: Setting a transverse watertight bulkhead into the hull (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

57 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 9)

Order no. OE 32-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Bull Shoals Dam (*Motion picture*) U. S. Army Engineers, 1956.

25 min., sd., color, 16 mm.

Summary: shows the construction of Bull Shoals Dam on the White River in north Arkansas from early exploration to dedication of the structure; and its part in the development of the White River Basin for flood control, hydroelectric power, and recreation.

Borrow from Eng. *Cleared for tv.*

Buoyant ascent (*Motion picture*) U. S. Dept. of the Navy, 1957.

14 min., sd., color, 16 mm.

Order no. MN 8750.

Summary: Technical report explaining how to make buoyant ascent and showing the use of the escape tank in training men to make ascents from the eighteen, fifty, and one hundred foot levels.

Borrow from Navy. *Cleared for tv.*

Buoys and beacons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., color, 16 mm. (Aids to navigation series)

Order no. MN 202-ab.

Summary: Explains the functions and distinguishing features of buoys and beacons—color, numbering, shape, and characteristics of lights; and shows how to identify each type.

Borrow from Navy. *Buy from* NF.

Burettes
see Chemical techniques: Burettes

Burning issue (*Motion picture*) U. S. Dept. of Agriculture with the cooperation of the Southern States Forestry Dept., 1962.

14 min., sd., color, 16 mm.

Summary: A dramatization about a magazine writer covering a major forest fire in the South. Contains scenes of forest fires and firefighting.

Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

Burnishing pivots (*Motion picture*) U. S. Veterans Administration, 1949.

8 min., sd., b&w, 16 mm. (Light mechanics series, no. 9)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Explains that burnishing the pivots of a watch balance shaft reduces friction, and demonstrates how to burnish pivots at different angles.

Borrow from VA. *Buy from* NF.

Burns (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

38 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (First aid series)

Order no. SN 222.

Summary: How to distinguish between burns and scalds; and how to recognize and treat first-, second-, and third-degree burns.

Borrow from Navy. *Buy from* NF.

Burroughs newsboy foundation (*Motion picture*) U. S. Dept. of the Army, 1949. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

Summary: Description of the school, clubhouse, and summer camp given to Boston's newsboys by a former newsboy, Harry E. Burroughs. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Bus care and maintenance (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

13 min., sd., b&w, 16 mm. (Automotive series. School bus operation, no. 1)

Order no. OE 494.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Importance of daily and weekly maintenance checks; how to start, steer, and stop the bus; how to double clutch; and the importance of safe driving habits.

Buy from NF.

Bus care and maintenance (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

51 fr., b&w, 35 mm. (Automotive series. School bus operation, no. 1)

Order no. OE 494–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Bus operation series
see Automotive series. Bus operation

Businessmen's service club (*Motion picture*) U. S. Dept. of State, 1951. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

28 min., sd., b&w, 16 mm.

Summary: Shows how members of the Kiwanis Club in Waterbury, Conn., as a community service to high-school students, give evening talks about their businesses and professions; and how the students work after school in various businesses in order to gain experience. Prepared for overseas use.

Buy from NF.

Buying good food (*Filmstrip*) U. S. Public Health Service, 1950.

50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 6)

Order no. 5–146.

Summary: Explains how foods are arranged in groups called "exchange lists" and how diabetics can use such lists to select a variety of foods.

Borrow from PHS. *Buy from* NF.

By their deeds (*Motion picture*) U. S. Bureau of Reclamation, 1957.

28 min., sd., color, 16 mm.

Summary: Describes the work of engineering specialists and scientists in planning, designing, building, and operating engineering structures such as dams, canals, tunnels, and power and pumping plants.

Borrow from BR.

C

The CARE story (*Motion picture*) U. S. Dept. of the Army, 1950. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

Summary: An explanation of the purposes and operations of the Cooperative for American Remittances to Europe. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Cable splicing. Part 1: The five-tuck navy splice (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

49 fr., b&w, 35 mm.

Order no. SN 67–a.

Summary: Materials, tools, and methods used in replacing spliced control cable connections. Demonstrates the five-tuck navy splice.

Borrow from Navy. *Buy from* NF.

Cable splicing. Part 2: The Roebling roll splice (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

45 fr., b&w, 35 mm.

Order no. SN 67–b.

Summary: Steps in threading and rolling a Roebling cable splice.

Borrow from Navy. *Buy from* NF.

Cable surface wiring (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 10)

Order no. OE 377.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to make an electrical entrance to a building; install nonmetallic sheathed cable; handle and install porcelain fittings; support and connect cable; and prepare and connect wires for service.

Buy from NF.

Cable surface wiring (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

48 fr., b&w, 35 mm. (Electrical work series. Wiring, no. 10)

Order no. OE 377–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Caesarean sections (*Motion picture*) U. S. Dept. of the Army, 1953.

42 min., sd., color, 16 mm.

Order no. PMF 5226.

Summary: Demonstrates the surgical techniques used in performing various types of cesarean sections, including classical cesarean section, low cervical section, extraperitoneal section, and cesarean hysterectomy. For medical personnel.

Borrow from Army. *Buy from* NF.

The caissons go rolling along (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

3 min., sd., b&w, 16 mm.

Summary: The song of the Field Artillery, sung off-screen by Robert Weede, against appropriate scenes of artillery in action.

Buy from NF.

California and its natural resources (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.

40 min., sd., color, 16 mm.

Order no. 226.

Revision of 1948 film with same title.

Summary: Presents a panorama of the scenic and mineral resources of California, with particular reference to petroleum and natural gas resources and their role in the development of power.

Borrow from BM. *Cleared for tv.*

Camouflage for scouting and patrolling (*Motion picture*) U. S. Dept. of the Army, 1957.

33 min., sd., color, 16 mm.

Order no. TF 21–2197.

Summary: Presents detailed instruction on camouflage and movement techniques employed by combat troops in day and night operations. Describes the materials and methods for applying camouflage to the individual soldier and his equipment and explains the importance of good camouflage discipline for survival.

Borrow from Army.

Campaign reports series
see
Appointment in Tokyo
Liberation of Rome
San Pietro
The Stilwell Road

Camping (*Motion picture*) U. S. Dept. of Agriculture, 1958.

10 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series, 6, no. 5)

Summary: An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.

Rent from DA film libraries. *Cleared for tv.*

Campus on the march (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

19 min., sd., b&w, 16 mm.

Summary: Shows wartime activities carried on in American colleges and universities in 1942.

Buy from NF.

Canada (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

18 min., sd., b&w, 16 mm.

Order no. AFIF 43.

Summary: Explains Canada's geography, history, way of life, industries, economy, government, and current role in world affairs. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Cleared for tv.*

Cancer education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

11 min., sd., b&w, 16 mm.

Summary: Shows the operation of a mobile X-ray clinic alerting the townspeople through advance announcement, X-raying citizens, educating them toward self-examination, and checking on all possible cases of incipient cancer. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Canning beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Farm work series. Food preservation, no. 2)

Order no. OE 455.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to prepare soup stock; preheat beef; pack hot beef in cans; seal the cans; process canned beef; and cool and dry the cans before packing.

Buy from NF.

Canning beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

49 fr., b&w, 35 mm. (Farm work series. Food preservation, no. 2)

Order no. OE 455–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Canning chicken (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

45 fr., b&w, 35 mm.

Order no. 658.

With lecture notes.

Summary: A demonstration of how to cut up and can poultry according to methods recommended by the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab.

Canning fruits and tomatoes (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

49 double fr., b&w, 35 mm.

Order no. 660.

With lecture notes.

Summary: Shows equipment and methods recommended by the Bureau of Human Nutrition and Home Economics for canning peaches and tomatoes.

Buy from PhotoLab.

Canning meat (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

40 fr., b&w, 35 mm.

Order no. 659.

With lecture notes.

Summary: Shows how to can meat according to methods recommended by the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab.

Canning vegetables the steam-pressure way (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

32 double fr., b&w, 35 mm.

Order no. 661.

With lecture notes.

Summary: Shows how to can snap beans according to methods recommended by the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab.

Canyon conquest (*Motion picture*) U. S. Bureau of Reclamation, 1959.

22 min., sd., color, 16 mm.

Summary: Describes the construction of Glen Canyon Dam on the Colorado River in northern Arizona, including the complex engineering problems and the process of construction scheduled to be completed in 1965.

Borrow from BR. *Cleared for tv.*

Capacitance (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1944.

31 min., sd., b&w, 16 mm. (Radio technician training series)

Order no. MN 1540-a.

Supplementary filmstrip of same title also available.

Summary: Demonstrates electron flow through a circuit, the charging and discharging of condensers, variations of a charge on a condenser in relation to time, and the behavior of capacitance with alternating current.

Borrow from Navy. *Buy from* NF.

Capacitance (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

22 fr., b&w, 35 mm. (Radio technician training series)

Order no. SN 1540-aa.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Capacitive reactance (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

29 fr., b&w, 35 mm.

Order no. SN 648.

Summary: Explains the basic theory of capacitive reactance and its application to radio instruments.

Borrow from Navy. *Buy from* NF.

The Cape Cod Canal story (*Motion picture*) U. S. Army Engineers, 1959.

15 min., sd., color, 16 mm.

Summary: Shows operation of the Cape Cod Canal, present-day improvements made by the Corps of Engineers, and maintenance procedures such as channel dredging. Emphasizes that the canal is both a tourist attraction and an important waterway.

Borrow from Eng. *Cleared for tv.*

Capital story (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Public Health Service, 1947, and U. S. Office of Education, 1949.

29 min., sd., b&w, 16 mm.

Summary: Dramatizes a particular activity of the U. S. Public Health Service involving the work of industrial hygienists and analytical chemists in locating the cause of pulmonary anemia among welders in a New England shipyard.

Borrow from PHS. *Buy from* NF.

Carbide cutting tools series
see Machine shop work series. Carbide cutting tools

Carbide woodworking tools: Care and grinding (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures.

13 min., sd., b&w, 16 mm.

Order no. MN 7977–a.

Summary: Shows how to store and issue carbide woodworking tools, how to handle them for transporting, and how to grind them. Discusses advantages and special characteristics of the tools.

Borrow from Navy. Buy from NF.

Carbide woodworking tools: How to use (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures, inc.

15 min., sd., b&w, 16 mm.

Order no. MN 7977–b.

Summary: Demonstrates the correct use of cemented carbide tools on the vertical spindle shaper, table saw, over-arm radial saw, straight line rip saw, trim saw, bandsaw, lathe, portable router, and multiple head moulder. Shows the method of setting up each machine and safety precautions to be observed.

Borrow from Navy. Buy from NF.

Carburetion (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

37 min., sd., b&w, 16 mm. (Aircraft engines series)

Order no. TF 1–137.

Summary: Explains through animation the functions, parts, and variations of aircraft engine carburetors; air and gas mixtures used; variations in ratio of gas and air desirable for idling, acceleration, and maximum power; and special problems created by dives and operation at high altitudes.

Borrow from AF. Buy from NF. Cleared for tv.

The carburetor, part 1 (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

53 fr., b&w, 35 mm.

Order no. SCG 154–c, formerly SG 1622–a.

Summary: Explains the need for vaporizing gasoline mixture before combustion takes place; and shows how the mixture is vaporized by spray, vacuum, and heat.

Buy from NF.

The carburetor, part 2 (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

64 fr., b&w, 35 mm.

Order no. SCG 154–d, formerly SG 1622–b.

Summary: Shows and explains the parts of a carburetor and their functions.

Buy from NF.

The carburetor, part 3 (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

40 fr., b&w, 35 mm.

Order no. SCG 154–e, formerly SG 1622–c.

Summary: Explains devices for controlling air-fuel mixture in idling, accelerating, and starting, and the purpose of the flame arrestor.

Buy from NF.

Carburetor, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1956.

25 min., sd., b&w, 16 mm.

Order no. TF 9-2253.

Summary: Explains the major components of a carburetor (bore bowl, and air throttle) how air pressure differential is utilized; application of the Venturi principle; metering; atomization, vaporization, and the operation of carburetor circuits (float, low speed, high speed, accelerator pump, and choke)

Borrow from Navy. Buy from NF. Cleared for tv.

Cardio pulmonary patient & air travel (*Motion picture*) U. S. Dept. of the Air Force, 1960.

29 min., sd., color, 16 mm.

Order no. SFP 641.

Summary: Explains a clinically applicable method of evaluating cardio pulmonary patients with respect to their ability to perform air travel. Based on a report by the Section of Aviation Medicine of the Committee of Physiologic Therapy Research of the American College of Chest Physicians.

Borrow from AF.

The care and cleaning of photographic lenses (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

58 fr., b&w, 35 mm.

Order no. FS 1–48.

Summary: Stresses the importance of proper care and cleaning of lenses; shows the effects of improperly cleaned lenses; and gives precautions to be followed in using and handling of lenses.

Borrow from AF. Buy from NF.

Care and maintenance of tapered roller bearings (*Motion picture*) U. S. War Dept., 1941. Released for public educational use through U. S. Office of Education, 1949.

31 min., sd., b&w, 16 mm.

Order no. TF 11–257.

Summary: Explains how to disassemble, clean, inspect, lubricate, and reassemble tapered roller bearings.

Borrow from Army. Buy from NF.

Care and operation of gun cameras (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm.

Order no. MN 4376.

Summary: Shows various types of gun cameras; demonstrates how to set speed-change dial, speed index ring, and lens diaphragm ring; and explains the maintenance, lubrication, and installation of a gun camera.

Borrow from Navy. Buy from NF.

Care and repair of farm machinery (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Missouri Extension Service, 1942.

49 fr., b&w, 35 mm.

Order no. 628.

Summary: Charts and diagrams showing how to repair and service different machines commonly used on farms.

Buy from PhotoLab.

Care and repair of flight controls (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

68 fr., b&w, 35 mm.

Order no. SN 2795.

Summary: Shows step-by-step how to inspect the flight controls and determine their condition, and indicates under what circumstances it may be necessary to replace or repair them.

Borrow from Navy.

Care and use of hand tools. Part 1: An introduction to hand tools (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

11 min., sd., b&w, 16 mm.

Order no. MN 7831–a.

Summary: Discusses the general principles governing the use of hand tools in the Navy; choosing the right tool for the job; using the tool correctly; using it safely; and keeping the tool in good condition

Borrow from Navy. Buy from NF. Cleared for tv.

Care and use of hand tools. Part 2: Basic layout tools (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

7 min., sd., b&w, 16 mm.

Order no. MN 7831–b.

Summary: Stresses the care and accurate use of metal-working layout tools on template paper and sheet metal.

Borrow from Navy. Buy from NF. Cleared for tv.

Care and use of hand tools. Part 3: Hacksaws (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.
5 min., sd., b&w, 16 mm.
Order no. MN 7831-c.
Summary: Explains the type of hacksaw blades in common use, and shows correct practice by close-ups of the cutting action of saw teeth in a variety of stock.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Care and use of hand tools. Part 4: Files and filing (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.
5 min., sd., b&w, 16 mm.
Order no. MN 7831-d.
Summary: Shows a variety of metal-working files according to shape and tooth patern, and explains the care and use of files.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Care and use of hand tools. Part 5: Twist drills (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by DeFrenes Co.
7 min., sd., b&w, 16 mm.
Order no. MN 7831-e.
Summary: Explains the size designation of twist drills, their cutting action, and how they are used and sharpened.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Care and use of hand tools. Part 6: Metal cutting chisels (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.
5 min., sd., b&w, 16 mm.
Order no. MN 7831-f.
Summary: Describes the correct uses of the cold chisel, cape chisel, diamond point, and half-round chisel, and explains their cutting action and how they are sharpened.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Care and use of hand tools. Part 7: Threading taps and dies (*Motion picture*) U. S. Dept. of the Navy, 1954.
15 min., sd., b&w, 16 mm.
Order no. MN 7831-g.
Summary: Shows sequences and close-ups of the operations involved in tapping and threading as the worker views them in performance of the task; explains the uses of taper, plug, and bottoming taps; and shows die adjustments for obtaining the desired fit of threads to tapped holes.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Care and use of hand tools series
see
Bars, punches, and drifts
Chisels
Hacksaws
Hammers
Pliers and screw drivers
Wrenches

Care and use of pneumatic dunnage (*Motion picture*) U. S. Dept. of the Army, 1961.

15 min., sd., b&w, 16 mm.
Order no. TF 10-3073
Summary: Demonstrates the care and use of pneumatic dunnage developed by the Quartermaster Corps to prevent damage to cargo in transit.

Borrow from Army.

Care of a tractor (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
22 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 6)
Order no. OE 454.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Day-by-day operating care of a tractor; importance of periodic inspections; parts of the tractor, including cooling system, fuel system, and ignition system.

Buy from NF.

Care of a tractor (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
40 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 6)
Order no. OE 454-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Care of a tractor
see also
Cuide su tractor

Care of laboratory animals (*Filmstrip*) U. S. Public Health Service, 1953.
80 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Basic laboratory training for nonprofessional workers, no. 3)
Order no. F 106-c.
Summary: Explains methods for handling, housing, and feeding rabbits, mice, rats, and other laboratory animals.

Borrow from PHS. *Buy from* NF.

Care of patients by hospital corpsmen series
see
Vital signs. Part 1: Cardinal symptoms
Vital signs. Part 2: Taking temperature, pulse, and respiration
Vital signs. Part 3: Taking blood pressure

Care of the cardiac patient (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
33 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 419.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: Nursing care given a cardiac patient, including comfort, rest, sleep, diet, feeding, elimination, cleanliness, and diversional and occupational therapy.

Buy from NF.

Care of the cardiac patient (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
77 fr., b&w, 35 mm. (Nursing series)
Order no. OE 419-fs.
Supplements motion picture of same title.
With instructor's manual.

Buy from NF.

Care of the feet (*Filmstrip*) U. S. Public Health Service, 1950.
49 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 10)
Order no. 5-150.
Summary: Explains why the diabetic patient should take care of his feet, and shows methods to be followed.

Borrow from PHS. *Buy from* NF.

Care of the newborn baby: The nurse's role in instructing the parents (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.
31 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 412.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Nurse's functions and duties in teaching parents to care for new born babies; what the nurse can do in the home, clinic, and hospital: and how to hold, dress, bathe, and feed a baby.

Buy from NF.

Care of the newborn baby: The nurse's role in instructing the parents (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.
93 fr., b&w, 35 mm. (Nursing series)
Order no. OE 412–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Care of the patient with diabetes mellitus: Complicated (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
23 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 418.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Nurse's role in the diagnosis and treatment of coma and insulin shock, and the role of the nurse, doctor, dietician, and psychiatrist in assisting the patient to develop a healthy mental attitude toward his condition.
Buy from NF.

Care of the patient with diabetes mellitus: Complicated (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
48 fr., b&w, 35 mm. (Nursing series)
Order no. OE 418–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Care of the patient with diabetes mellitus; Uncomplicated (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
29 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 417.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Symptoms of diabetes; how the nurse teaches the patient to administer insulin injections, regulate diet, and make the Benedict test for sugar in the urine.
Buy from NF.

Care of the patient with diabetes mellitus: Uncomplicated (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
49 fr., b&w, 35 mm. (Nursing series)
Order no. OE 417–fs.
Supplements motion picture with the same title.
With instructor's manual.
Buy from NF.

Care of the sick and injured by hospital corpsmen series
see
Catheterizing the male patient
Chain of asepsis
Enemas
The enemy bacteria
Lumbar puncture
The n. p. patient
Surgical dressings

Career for tomorrow (*Motion picture*) U. S. Dept. of the Air Force, 1955.
22 min., sd., b&w, 16 mm.
Order no. SFP 345.
Summary: Activities of cadets of the Civil Air Patrol during summer encampment at Selfridge, Wright-Patterson, and Langley Air Force Bases.
Borrow from AF. *Cleared for tv.*

Career opportunities in ARDC (*Motion picture*) U. S. Dept. of the Air Force, 1959.
22 min., sd., color, 16 mm.
Order no. SFP 564.
Summary: Portrays a tour of Air Research and Development Command centers where military and civilian scientists, engineers, and technicians work as a team for the conquest of time and space.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Cargo critical (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by Herbert Kerkow Productions.
14 min., sd., b&w, 16 mm.
Order no. SFP 255.
Summary: How the Military Air Transport Service flies sick and wounded members of the Armed Forces from remote bases throughout the world to hospitals in the United States. Shows wounded G. I.'s being flown from the battlefront in Korea to Tokyo and then to the United States.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Cargo dropping (*Motion picture*) U. S. Dept. of Agriculture, 1950.
20 min., sd., color, 16 mm. (Aerial freight delivery)
Summary: Shows how to drop equipment and supplies from an airplane by parachute to forest fire fighting crews in the field.
Rent from DA film libraries.

Cargo handling gear, basic operation (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
15 min., sd., b&w, 16 mm. (Military stevedoring series, no. 2)
Order no. TF 55–1005.
Summary: Demonstrates the basic movements of unloading—vertical upward, horizontal, and vertical downward; how to operate winches in loading and unloading; and how to top the boom.
Borrow from Army. *Buy from* NF.

Cargo retrieving (*Motion picture*) U. S. Dept. of Agriculture, 1950.
20 min., sd., color, 16 mm. (Aerial freight delivery)
Summary: Shows techniques of retrieving from trees equipment and supplies dropped by parachute from airplanes to forest fire fighting crews.
Rent from DA film libraries.

Cargoing and loading (*Motion picture*) U. S. Dept. of Agriculture, 1950.
20 min., sd., color, 16 mm. (Aerial freight delivery)
Summary: Shows how to load an airplane with equipment and supplies to be dropped by parachute to forest fire fighting crews in the field.
Rent from DA film libraries.

Carolines, Marianas, Bonin Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
87 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Theatres of war series. Pacific area)
Order no. SN 1538–f.
Summary: Explains the military value, climate and atolls surrounding the islands, and the food, temperament, and religion of the inhabitants of the islands.
Borrow from Navy. *Buy from* NF.

Carotid triangle (*Motion picture*) U. S. Veterans Administration, 1957.
20 min., sd., color, 16 mm. (Head and neck anatomy series, no. 2)
Summary: Demonstrates, on a cadaver, the boundaries of the carotid triangle and exposes the important structures contained therein.
Borrow from VA. *Buy from* NF.

Carrier action off Korea (*Motion picture*) U. S. Dept. of the Navy, 1954.
13 min., sd., b&w, 16 mm.
Order no. MN 9272.
Summary: Shows activities of U. S. Navy airplane carriers and planes during the Korean War.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The case method of instruction, part 1 (*Motion picture*) U. S. Dept. of the Army, 1959.
19 min., sd., b&w, 16 mm.
Order no. TF 20-2834.
Summary: Explains the fundamentals, value, and application of the case method of instruction used at the U. S. Army Logistics Management Center, Fort Lee, Va., to develop effective logistics managers. Describes the role of the instructor. Shows how the important issues of the case in point grow out of the discussion process, how decisions are reached as to plausible courses of action to resolve the existing problem, and the different techniques employed by the instructor to open and guide the discussion.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The case method of instruction, part 2 (*Motion picture*) U. S. Dept. of the Army, 1959.
23 min., sd., b&w, 16 mm.
Order no. TF 20-2835.
Summary: Shows how an instructor handles a case discussion concerning the relationship between the commanding officer of a supply depot and his executive officer. The instructor assigns the various roles of the persons involved in the case to students in order to get maximum class participation in the ensuing discussion. The important issues of the case are developed in the discussion process; the instructor reviews the facts; and the class reaches its conclusions as to the best course of action to resolve the problem.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The case method of instruction, part 3 (*Motion picture*) U. S. Dept. of the Army, 1959.
19 min., sd., b&w, 16 mm.
Order no. TF 20-2836.
Summary: Shows how an instructor handles a case discussion concerning a deputy chief of ordnance who must decide which of three watch programs should be adopted by the Army; throwaway watches, commercial maintenance of watches, and Army maintenance of special watches. Emphasizes the value of the case method of instruction in areas where there is no hard and fast answer to a problem, and its effectiveness in training executives to think more clearly and broadly.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The case of comrade "I" (*Motion picture*) U. S. Dept. of Defense, 1956. Made by Warner-Pathe.
23 min., sd., color, 16 mm.
Summary: A dramatized story of a communist agent who is reprimanded by his superiors for his failure to secure secret information from industrial plants and of his explanation, through flashbacks, of specific instances of successes and failures.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Castaway series
see
The coconut as food and drink
Identification of South Pacific plants
Making useful articles from coconut material

The casting of dental gold alloys: Thermal expansion technique (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1951.
16 min., sd., color, 16 mm.
Summary: Explains that the fabrication of accurately fitting dental castings is dependent upon proper selection and use of materials. Covers the prevention of warpage of wax patterns, selection and attachment of the sprue, investing, eliminating the wax pattern, and melting and casting the alloy. For dental personnel.
Borrow from NBS. *Buy from* NBS.

Casts and molds (*Filmstrip*) U. S. Dept. of the Army, 1955.
61 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.
Order no. SFS 19-12.
Summary: Explains the techniques of casting and molding impressions for use as evidence, including such points as protecting impressions from damage, photographing and measuring impressions, equipment and materials for casting, making the cast, marking it for future identification, and making negative and positive molds with moulage material. For law enforcement groups.
Borrow from Army. *Buy from* NF.

Casualty-care training (*Motion picture*) U. S. Navy Dept., 1960.
8 min., sd., color, 16 mm.
Order no. MED 9-60.
Summary: Shows how the Navy Dental Corps in its casualty-care training program makes the most of realistic aids to train in the classroom, in the laboratory, and during field exercises. Demonstrates the use of specific aids; includes scenes from a field exercise showing how personnel under training apply their knowledge.
Borrow from Navy. *Cleared for tv.*

Catch a falling star (*Motion picture*) U. S. Dept. of the Air Force, 1962.
21 min., sd., color, 16 mm.
Order no. SFP 1100
Summary: Outlines procedures used in aerial recovery of satellite nose cones. Uses animation to show a satellite being controlled in orbit and maneuvered to the recovery area in order to explain the need for rigorous practice by participating pilots and crew members. Pictures an aircraft crew performing precise operations, sharing the anxious moments of search, and experiencing the delicate maneuvers that lead to a successful recovery.
Borrow from AF. *Cleared for tv.*

Catheterization technique (*Motion picture*) U. S. Dept. of the Army, 1961.
18 min., sd., color, 16 mm.
Order no. TF 8-3121.
Summary: Describes the anatomy and physiology of the urinary tract, and outlines clinical indications for catheterization of the urinary bladder. Shows the equipment required, sterile precautions to be followed, and the technique for catheterizing a male patient using the standard red rubber catheter; illustrates the use of the Foley catheter for continuous drainage of the bladder.
Borrow from Army.

Catheterizing the male patient (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.
16 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511-w.
Summary: Explains the procedure for catheterizing the male patient and suggests several means which may be used to avoid the necessity for catheterization.
Borrow from Navy. *Buy from* NF.

The cathode ray tube: How it works (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm.
Order no. MN 2104-a.
Summary: Demonstrates the construction and function of various parts of the cathode ray tube. Explains electrostatic and electromagnetic deflection and how varied currents affect the position of the spot of light on the scope.
Borrow from Navy. *Buy from* NF.

Cattle grubs or heel flies (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
33 fr., b&w, 35 mm.
Order no. 637.
With lecture notes.
Summary: Shows the seasonal and life cycles of the cattle grub, its attack on cattle, and control measures suitable for farm and range herds.
Buy from PhotoLab.

Cavity preparation (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., color, 16 mm. (Operative dentistry series, no. 2)
Order no. MN 5369-b.
Summary: Complete operation supplemented by animated models showing close views and cavity forms. For dental personnel.
Borrow from Navy. *Buy from* NF.

Celestial guidance for fighter pilots (*Motion picture*) U. S. Dept. of the Air Force, 1957.
21 min., sd., b&w, 16 mm.
Order no. TF 1-5120.
Summary: Describes techniques and procedures necessary for a fighter pilot to determine his exact location and reach his destination with pin-point accuracy with only the stars to guide him. Explains mathematical and measuring procedures, course line and speed line, line of position, sextant reading, and the importance of posting correct time and similar information on celestial worksheets. Shows a night celestial training mission of an F84F to illustrate preflight preparations and actual flight procedures.
Borrow from AF. Buy from NF.

Celestial instruments. Part 2: Aerial sextants (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
84 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-325.
Summary: Explains the principle of the aerial sextant, describes the construction of the link bubble sextant (models A-11 and A-12), and tells how to operate and properly care for these models.
Borrow from AF.

Celestial navigation series
see
Latitude by Polaris
Time

Celestial sphere and time. Part 2: Celestial sphere (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
53 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-203.
Summary: Explains the concept of the celestial sphere and defines the terms used in celestial air navigation.
Borrow from AF.

Centering, edge grinding, and beveling (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
27 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 185.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to center lenses by collimator; set up lenses for edge- and bevel-grinding in single spindle or two spindle machine; and edge- and bevel-grind lenses.
Buy from NF.

Centering, edge grinding, and beveling (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
66 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 185-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Centering small stock (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.
12 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 7)
Order no. OE 39.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to locate the center of round, square, and rectangular pieces of stock, using surface gage, hermaphrodite callipers, center head and steel rule, and combination square.
Buy from NF.

Centering small stock (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
34 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 7)
Order no. OE 39-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Centers of learning (*Motion picture*) U. S. Information Agency, 1961. Made by Milner-Fenwick. Released for educational use in the United States through U. S. Office of Education, 1963.
26 min., sd., b&w, 16 mm.
Summary: Presents six educational centers which are representative of the various types of universities in the United States—namely, University of Pittsburgh, Colorado School of Mines, Goucher College for Women, California Institute of Technology, Wittenberg University, and Harvard University.
Buy from NF.

Central meat cutting plants (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. TF 10-1527.
Summary: Shows how careful planning, operation, and distribution by central meat cutting plants which employ production line methods, insure the maximum benefit from meat and the utilization of all edible parts.
Borrow from Army. Buy from NF. Cleared for tv.

The centrifuge (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1955.
86 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Infectious hazards of bacteriological techniques, no. 6)
Order no. F 57-f.
Summary: Points out some of the hazards of centrifuge operation and suggests safe operating procedures.
Borrow from PHS. Buy from NF.

El centro de salubridad (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Spanish version of Your health center.
Summary: Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.
Buy from NF. Cleared for tv.

A century of Army signals 1860–1960: A centennial message from the Chief Signal Officer, United States Army (*Motion picture*) U. S. Dept. of the Army, 1960.
31 min., sd., b&w, 16 mm.
Order no. MF 11-9229.
Summary: Presents the history, mission, and achievements of the United States Army Signal Corps.
Borrow from Army. Buy from NF. Cleared for tv.

Cepillado de una superficie plana (*Motion picture*) U. S. Office of Education [1959?]
22 min., sd., b&w, 16 mm.
Order no. OE 66-Sp.
Spanish version of the 1945 motion picture entitled Planing a flat surface.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Describes the function of a planer, showing how to mount the workpiece, how to set the tool and table for the cut, and how to make a first and second roughing cut and a first and second finishing cut.
Buy from NF.

El cepillo limador (*Motion picture*) U. S. Office of Education [1959?]

15 min., sd., b&w, 16 mm.
Order no. OE 70-Sp.
Spanish version of the 1945 motion picture entitled The shaper. Prepared in cooperation with U. S. Agency for International Development.
Summary: Describes the functions, characteristics, and basic operations of the shaper.
Buy from NF.

Ceramic fuel fabrication development for PRTR (*Motion picture*) U. S. Atomic Energy Commission, 1962. Made by General Electric Co.

27 min., sd., color, 16 mm.
Summary: Gives a detailed technical explanation of three processes developed by Hanford Laboratories for the fabrication of UO-2 fuel elements used in the plutonium recycle test reactor (PRTR). Four significant phases of the fabrication processes are detailed in live and animated sequences: ultrasonic testing of cladding tubes; swaging to increase the bulk density of contained UO-2 powder; magnetic-force resistance butt welding of fuel-rod end caps; and final inspection steps, including the measurement of fuel density by gamma-ray attenuation.

Borrow from AEC. Buy from Palmer. Cleared for tv.

Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states (*Motion picture*) U. S. Public Health Service, 1938.

17 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 3)
Summary: Shows symptoms of nystagmus in Friedreich's ataxia, pastpointing in a case of head injury scarring cerebellum, pendulous knee jerk in a case of cerebellar tumor, anterior horn disease, radial nerve paralysis, median nerve paralysis, and peripheral facial paralysis. Presents several epileptiform seizures of various types and etiology. For medical personnel.
Borrow from PHS *or* VA. *Buy from* PCR.

Cesarean hysterectomy (Porro) (*Motion picture*) U. S. Dept. of the Army, 1952.

17 min., sd., color, 16 mm.
Order no. PMF 5204.
Summary: Shows the surgical procedures for a Cesarean hysterectomy, indicating anatomical landmarks throughout the operation. For medical personnel.
Borrow from Army.

Cesarean section: Extraperitoneal Pfannenstiel (*Motion picture*) U. S. Dept. of the Army, 1952.

23 min., sd., color, 16 mm.
Order no. PMF 5208.
Summary: Shows the surgical procedures for cesarean section extraperitoneal Pfannenstiel incision, with anatomical landmarks indicated throughout the operation.
Borrow from Army.

Cesarean section: Extraperitoneal with Cherney modification (*Motion picture*) U. S. Dept. of the Army, 1952.

23 min., sd., color, 16 mm.
Order no. PMF 5206.
Summary: Shows surgical procedures for the cesarean section extraperitoneal incision with Cherney modification, with anatomical landmarks indicated throughout the operation.
Borrow from Army.

Cesarean section: Low cervical paramedian incision (*Motion picture*) U. S. Dept. of the Army, 1952.

22 min., sd., color, 16 mm.
Order no. PMF 5207-b.
Summary: Shows surgical procedure for cesarean section low cervical paramedian incision, with anatomical landmarks indicated throughout the operation.
Borrow from Army.

Chain of asepsis (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

29 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511-f.
Summary: Emphasizes the importance of sterile linens, pre-operative preparation of the patient, scrub technique, preparation of the operating room, and maintenance of the chain of asepsis.

Borrow from Navy. *Buy from* NF.

The challenge (*Motion picture*) U. S. Marine Corps, 1957. Made by Jam Handy Organization.

27 min., sd., b&w, 16 mm.
Order no. MH 8508.
Summary: Describes the recruit training program in the U. S. Marine Corps.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Challenge in naval research (*Motion picture*) U. S. Dept. of the Navy, 1957.

31 min., sd., color, 16 mm.
Order no. FN 8511.
Summary: Presents the career opportunities in Navy research and development laboratories of the Potomac River Naval Command.

Borrow from Navy. *Buy from* NF.

The challenge of ideas (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

31 min., sd., b&w, 16 mm.
Order no. AFIF 98.
Summary: Analyzes the basic ideological differences between "the American way" and the Communist State; describes the objectives and techniques used by the USSR to influence the peoples of the world; and emphasizes the importance of keeping the United States strong spiritually and morally.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Challenge of outer space (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

61 min., sd., b&w, 16 mm.
Order no. OC 8.
Summary: Dr. Wernher Von Braun, director of the Guided Missile Division, Redstone Arsenal, Alabama, explains the characteristics of present-day guided missile models, how they function, the problems involved in achieving operational effectiveness, and the challenge presented by outer space in future development; and answers questions posed by his audience from the Armed Forces Staff College, Norfolk, Va.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Challenge of the North Santiam (*Motion picture*) U. S. Army Engineers, 1955.

29 min., sd., color, 16 mm.
Summary: Shows construction of the Detroit Dam project on the North Santiam River in Oregon, and illustrates how the Corps of Engineers handles an engineering problem involving major construction in a confined area.
Borrow from Eng. *Cleared for tv.*

Challenge: Science against cancer (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1950. Released in the U. S. by International Film Bureau.

37 min., sd., b&w, 16 mm.
With A teaching guide to The challenge of cancer, a book by Lester Grant.
Summary: Traces the progress of cancer research in tissue culture, biochemistry, genetics, environmental factors, and specific therapy; follows a case of skin cancer from diagnosis to cure; and points out the qualities of an investigator.
Borrow from NCI. *Buy from* IFB.

Challenge: Science against cancer
see also
The fight: Science against cancer

Challenging careers in chemistry (*Motion picture*) U. S. Dept. of Agriculture, 1962.

24 min., sd., color, 16 mm.
Summary: Discusses the role of chemists in the creation of new products for industry from agricultural commodities, and shows, through a series of research projects, the types of research conducted by the Dept. of Agriculture, including the development of lifesaving pharmaceuticals from corn and a workable technique for removing dangerous radio-nuclides from milk on a commercial scale.

Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

Changes in American society and culture
see American history I, lecture 12: Changes in American society and culture

Changes occur in the American economic life
see American history I, lecture 11: Changes occur in the American economic life

Chantournage d'une courbe renversée et d'une courbe renversée biseautée (*Motion picture*) U. S. Office of Education, 1951.

18 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie à ruban, no 2)

Order no. OE 310–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Sawing a reverse curve and a bevel reverse curve.

Buy from NF.

The chaplain and the commander (*Motion picture*) U. S. Dept. of the Army, 1962.

29 min., sd., b&w, 16 mm.

Order no. TF 16–3202

Summary: Explains the role of the chaplain in the military service, and describes some of the ways in which the chaplain assists the commanding officer in the fulfillment of his military objective. Four officers relate personal experiences in which a chaplain helped him.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The chaplain comes aboard (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

15 min., sd., color, 16 mm.

Order no. MN 9243.

Summary: Explains the opportunities for service which the U. S. Navy chaplaincy affords, and shows the program of instruction in character education, counselling, and worship at Navy and Marine unit installations and on shipboard.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The chaplain story (*Motion picture*) U. S. Dept. of the Army, 1954.

15 min., sd., b&w, 16 mm.

Order no. TF 16–1943.

Summary: Story of the combat chaplain in action and his mission to bring men to God and God to men. Describes his responsibilities including Communion and other religious services, character guidance lectures, advice on personal problems, and help in strengthening beliefs in human values.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Chaplain U. S. A. (*Motion picture*) U. S. Dept. of the Army, 1955.

19 min., sd., color, 16 mm.

Order no. MF 20–8419.

Summary: Explains the responsibilities of an Army chaplain, showing how he carries out his job as pastor, counselor, and soldier. Recruiting film for clergymen to serve in the Armed Forces.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Le chargement et le fonctionnement d'un cubilot (*Motion picture*) U. S. Office of Education, 1951.

14 min., sd., b&w, 16 mm. (Technique de fonderie. Fusion des métaux)

Order no. OE 437–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Charging and operating a cupola.

Buy from NF.

Charging and operating a cupola (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

14 min., sd., b&w, 16 mm. (Foundry work series. Melting practice)

Order no. OE 437.

Supplemented by filmstrip with the same title.

With instructor's manual.

Summary: Shows the essential parts of the cupola; explains the steps to be followed in firing, charging, and operating a cupola; and describes the cycle of operations involved in the melting process.

Buy from NF.

Charging and operating a cupola (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

44 fr., b&w, 35 mm. (Foundry work series. Melting practice)

Order no. OE 437–fs.

Supplements motion picture with the same title.

With instructor's manual.

Buy from NF.

Charging and operating a cupola
see also
Le chargement et le fonctionnement d'un cubilot

Charging storage batteries (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

16 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 4)

Order no. TF 11–1219.

Summary: Explains the charging, care, and preparation of storage batteries, and constant voltage methods and modifications.

Borrow from Army. *Buy from* NF.

Charity (*Motion picture*) U. S. Dept. of the Army, 1959.

8 min., sd., b&w, 16 mm.

Order no. TF 16–2746.

Summary: Dramatized story illustrating the concept of charity. Made for use by Army chaplains.

Borrow from Army.

Charley Russell's friends (*Motion picture*) U. S. Information Agency, 1959. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.

11 min., sd., color, 16 mm.

Summary: Through the internationally famous American cowboy artist's paintings of the West as he knew it and loved it, are revealed the man and the artist, and the people who were his friends. Included is a sequence on the dedication, attended by Montana's two Senators, of a statue of Russell which has been placed in the Capitol's Statuary Hall in Washington, D. C. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

A charm for Katy (*Motion picture*) U. S. Dept. of the Air Force, 1955.

14 min., sd., color, 16 mm.

Order no. SFP 358.

Summary: Explains through dramatized incidents the duties and experiences of an Air Force flight nurse.

Borrow from AF. *Cleared for tv.*

Charting activities of the U. S. Lake Survey (*Motion picture*) U. S. Army Engineers, 1953.

30 min., sd., color, 16 mm.

Summary: Shows the work of the U. S. Lake Survey in the preparation of navigation charts, including field surveys, office compilation, engraving, processing, printing, and hand correction of aids-to-navigation on the printed charts.

Borrow from Eng. *Cleared for tv.*

Charts (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

18 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83–b.

Summary: Explains the meaning, advantages, and limitations of Mercator, gnomonic, and Lambert conformal projections.

Borrow from Navy. *Buy from* NF.

Checking and replacing a float valve (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

19 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 8)

Order no. OE 445.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Function of two basic types of float valves—high-side float and low-side float; how to correct troubles in both types; and replace a high-side float.

Buy from NF.

Checking and replacing a float valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

49 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 8)

Order no. OE 445–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Checking the electrical system (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 9)

Order no. OE 446.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to check and service an overheated motor in a domestic regrigerator; repair a stalled capacitor motor and an R. I. motor; and repair thermostatic motor controls.

Buy from NF.

Checking the electrical system (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

47 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 9)

Order no. OE 446–fs.

With instructor's manual. Supplements motion picture of same title

Buy from NF.

Checking the system. Part 1: General procedure (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 1)

Order no. OE 438.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to install gages in a domestic refrigerator; check operating pressures, compressor performance, and temperature range of the cooling unit; and clean the condenser and oil the motor of an open-type refrigeration unit.

Buy from NF.

Checking the system. Part 1: General procedure (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

52 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 1)

Order no. OE 438–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Checking the system. Part 2: Trouble shooting (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 2)

Order no. OE 439.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to determine causes of several common troubles such as "unit will not run," "no refrigeration, but the unit runs continuously," and "improper refrigeration of food but unit freezes ice cubes."

Buy from NF.

Checking the system. Part 2: Trouble shooting (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

46 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 2)

Order no. OE 439–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cheechako!—So you're going to Alaska (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

35 min., sd., color, 16 mm.

Order no. AFIF 100.

Summary: Describes the major military bases in Alaska and points out the living conditions, family services, and recreational facilities available to servicemen and their dependents. Emphasizes Alaska's strategic significance as the most northern outpost of the United States defense perimeter.

Borrow from Army.

The chemical, biological, and radiological element (*Motion picture*) U. S. Dept. of the Army, 1962.

20 min., sd., b&w, 16 mm.

Order no. TF 3–3173

Summary: Describes the purpose and functions of the CBR element as part of combat atmosphere and emphasizes the importance of CBR in the accomplishment of the tactical missions with the least number of casualties.

Borrow from Army. *Buy from* NF.

Chemical lab safety (*Motion picture*) U. S. Public Health Service, 1961.

25 min., sd., color, 16 mm.

Order no. M–445

Summary: Depicts several simulated chemical laboratory accidents and makes suggestions for their prevention. Discusses general safety precautions in routine laboratory activities.

Borrow from PHS. *Buy from* NF.

Chemical precipitation treatment plants with two-stage digestion (*Filmstrip*) U. S. Public Health Service, 1950.

68 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Municipal sewage treatment plants, no. 2)

Order no. 5–158.

Made principally from pictures in the slide set released under the title Chemical precipitation process (order no. 9–033.3)

Summary: Pictures and describes units, structures, and details of equipment used in chemical precipitation plants for sewage treatment.

Borrow from PHS. *Buy from* NF.

Chemical techniques: Basic techniques of pipetting (*Motion picture*) U. S. Dept. of the Navy, 1955.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9875–j.

Summary: Shows the basic techniques in using a pipet in the clinical laboratory.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Blow-out pipets (*Motion picture*) U. S. Dept. of the Navy, 1955.

2 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9875–l.

Summary: Demonstrates the special techniques to be observed by the technician when using a blow-out pipet.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Burettes (*Motion picture*) U. S. Dept. of the Navy, 1955.

8 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9875–o.

Summary: Presents techniques for the proper use of a burette in the clinical laboratory.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Estimation of blood glucose; Folin-Wu and Somogyi methods (*Motion picture*) U. S. Dept. of the Navy, 1956.

12 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–u.

Summary: Shows step-by-step the procedure for estimating blood glucose in the clinical laboratory, using Folin-Wu or Somogyi methods.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Estimation of blood glucose; Sunderman-Fuller method (*Motion picture*) U. S. Dept. of the Navy, 1956.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–v.

Summary: Demonstrates step-by-step the procedure of a modified true Benedict method, as developed by Sunderman and Fuller, for the estimation of blood glucose.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Folding a filter paper (*Motion picture*) U. S. Dept. of the Navy, 1956.

3 min., si. at sd. speed, color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–q.

Summary: Demonstrates the technique of folding a filter paper for use when filtering solutions in laboratory determinations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Measurement of total iron in whole blood; estimation of iron (*Motion picture*) U. S. Dept. of the Navy, 1955.

14 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–g.

Summary: Demonstrates the step-by-step procedure used when estimating total iron in whole blood.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Measurement of total iron in whole blood; preparation of a calibration curve (*Motion picture*) U. S. Dept. of the Navy, 1955.

12 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–f.

Summary: Shows the step-by-step procedure in the preparation of a calibration curve to be used in the measurement of total iron in whole blood.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Measurement of total iron in whole blood; preparation of reagents (*Motion picture*) U. S. Dept. of the Navy, 1955.

13 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–e.

Summary: Shows the step-by-step procedure for the preparation of reagents to be used in the measurement of total iron in whole blood when the method is used for calibration in the clinical laboratory.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Oxyhemoglobin method for measuring hemoglobin (*Motion picture*) U. S. Dept. of the Navy, 1955.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. 9375–h.

Summary: Presents the step-by-step procedure for measuring hemoglobin by the oxyhemoglobin method.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Pipettors (*Motion picture*) U. S. Dept. of the Navy, 1955.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–n.

Summary: Demonstrates how to use both the plunger and bulb types of automatic pipettors to pipet noxious liquids in the clinical laboratory.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Protein-free filtrate; Folin-Wu method (*Motion picture*) U. S. Dept. of the Navy, 1956.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–r.

Summary: Shows detailed procedure for the preparation of a protein-free filtrate, by the Folin-Wu method, for use in making certain clinical laboratory determinations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Protein-free filtrate; Somogyi method (*Motion picture*) U. S. Dept. of the Navy, 1956.

4 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–s.

Summary: Demonstrates the procedure involved in preparing a protein-free filtrate for use in clinical laboratory determinations, by the Somogyi method, utilizing barium hydroxide.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Protein-free filtrate; tungstic acid method (*Motion picture*) U. S. Dept. of the Navy, 1956.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–t.

Summary: Shows alternate procedures for the preparation of a protein-free filtrate for use in clinical laboratory determinations, utilizing a tungstic acid reagent.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Special pipets (*Motion picture*) U. S. Dept. of the Navy, 1955.

5 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–m.

Summary: Shows the special techniques to be employed in the laboratory when using Mohr or serological pipets.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Transfer pipets (*Motion picture*) U. S. Dept. of the Navy, 1955.

3 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–k.

Summary: Shows the special techniques to be used by the technician when transfer pipets are employed in a clinical laboratory procedure.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical techniques: Volumetric flasks (*Motion picture*) U. S. Dept. of the Navy, 1955.

4 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–p.

Summary: Shows techniques for the proper use of volumetric flasks in the preparation of various solutions of known concentrations in the clinical laboratory.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chemical warfare decontamination; personnel
see ABC warfare defense ashore: Chemical warfare decontamination; personnel

Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments (*Motion picture*) U. S. War Dept., 1943.

16 min., sd., b&w, 16 mm. (Automotive trouble shooting series, no. 11c, section 2)

Order no. TF 10-980.

Summary: Demonstrates steering system adjustments, including adjusting trunnion bearings, toe-ins with telescopic gage, recirculating ball-type steering gear, and steering column jacket.

Borrow from Army. *Cleared for tv.*

Chick embryo techniques (*Motion picture*) U. S. Public Health Services, 1951.

15 min., sd., b&w, 16 mm.

Order no. M 42.

Summary: G. John Buddingh, of Louisiana State University School of Medicine demonstrates methods of using chick embryos in virus and rickettsia laboratory procedures, including incubating and candling, drilling and opening shells, inoculating, windowing, incubation, and harvesting chorioallantois, allantoic fluid, amniotic fluid, yolk, and embryo.

Borrow from PHS. *Buy from* NF.

Chief Joseph Dam (*Motion picture*) U. S. Army Engineers, 1956.

28 min., sd., color, 16 mm.

Summary: Shows construction of the preliminary facilities and the main structure of the Chief Joseph Dam project located on the Columbia River in the north central part of the State of Washington.

Borrow from Eng. *Cleared for tv.*

Children in kitchens (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the Women's College and the Agricultural Experiment Station of the University of North Carolina. Released by the U. S. Dept. of Agriculture, 1958.

57 fr., b&w, 35 mm.

Order no. 718.

With lecture notes.

Summary: Discusses a study made on the provisions and space used for the activities of pre-school children, including supervised and independent activities, demonstrating proper toy storage, seating in eating areas, and utilization of play centers and family rooms.

Buy from PhotoLab.

Children's guardian (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

40 min., sd., b&w, 16 mm.

Summary: Tells the story of a school janitor in Japan who, influenced by his love for children, helps bring about school reforms in his community. Prepared for use in occupied areas, particularly Japan.

Buy from NF.

Chills and fever: Why? (*Filmstrip*) U. S. Public Health Service, 1947.

81 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.

Order no. 5–078.

Summary: Explains the symptoms of vivax malaria; its cause—malaria parasites in the blood stream; its means of infection; life cycle of the parasite; and the chain of malaria transmission through the mosquito.

Borrow from PHS.

China crisis (*Motion picture*) U. S. Army Air Forces, 1946.

45 min., sd., b&w, 16 mm.

Order no. SFP 174.

Summary: Documentary record of the operations of the U. S. 14th Air Force in its support of the Chinese Army during the spring and summer campaigns of 1944.

Borrow from AF.

Chinese reds enter war (*Motion picture*) U. S. Dept. of Defense, 1951.

21 min., sd., b&w, 16 mm.

Order no. CB 104.

Summary: Military operations in Korea from October 20 to November 20, 1950.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Chisels (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

12 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 3)

Order no. TF 9–2028.

Summary: Shows various types of cold chisels, and demonstrates proper techniques and safety precautions to be observed in using them.

Borrow from Army. *Buy from* NF.

Choose to live (*Motion picture*) U. S. Public Health Service, 1940. Made by U. S. Dept. of Agriculture.

11 min., sd., b&w, 16 mm.

Order no. MIS 027.

Summary: Explains the danger signals of cancer; diagnosis; X-ray, radium, and surgical treatment; possibilities of cure; and current (1940) scientific research.

Borrow from PHS. *Buy from* NF.

Chromosome labeling by tritium (*Motion picture*) U. S. Atomic Energy Commission. 1958. Made by Jam Handy Organization.

15 min., sd., color, 16 mm.

Summary: Discusses the advantages of tritium over other radioisotopes as labeling material in autoradiography.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Chuck work. Part 1: Setting up hexagon turret tools (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 2)

Order no. OE 213.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use a power chuck; set up tools for internal cuts and for multiple cuts; and set up feed stops for the hexagon turret.

Buy from NF.

Chuting stars (*Motion picture*) U. S. Dept. of the Navy, 1963.

28 min., sd., b&w, 16 mm.

Order no. MN–9898

Summary: Discusses the selection, training, and duties of a member of the U. S. Navy parachute exhibition team. Shows various techniques employed in free-fall and proper landing. Includes sequences photographed by free-falling cameramen.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Chuck work. Part 2: Setting up tools for combined cuts (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

27 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 3)

Order no. OE 214–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Chuck work. Part 2: Setting up tools for combined cuts (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 3)

Order no. OE 214.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up tools for the square turret; make combined cuts; set cross-slide and carriage stops; set up the speed preselector; and perform a sequence of operations efficiently.

Buy from NF.

Chuck work. Part 1: Setting up hexagon turret tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

29 fr., b&w, 35 mm. (Machine shop work series. Operation on the turret lathe, no. 2)

Order no. OE 213–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cicada (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

8 min., sd., b&w, 16 mm.

Short version, prepared for school use.

Summary: Shows and explains the life story of the cicada or 17-year locust.

Rent from DA Film Libraries. *Buy from* NF.

The cicada (*Motion picture*) U. S. Dept. of Agriculture, 1953.

19 min., sd., b&w, 16 mm.

A revision of the 1937 film with same title.

Summary: Explains and portrays various stages in the life cycle of the periodical cicada or 17-year locust.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The cineplastic operation (*Motion picture*) U. S. Dept. of the Army, 1947.

16 min., sd., color, 16 mm.

Order no. PMF 5062.

Summary: Demonstrates how to attach cords to the selected muscle and then to the prosthetic appliance so that the patient can operate the appliance by contracting muscles in the amputation stub. For medical personnel.

Borrow from Army.

Circuit testing: Signal generators (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

26 min., sd., b&w, 16 mm.

Order no. TF 11–1668.

Summary: Explains the theory and operation of the signal generator, including oscillating circuits, audio-oscillators, radio frequency oscillators, and frequency meters.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Circuit testing with meters and multimeters. Part 2: Practical application (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

37 min., sd., b&w, 16 mm.

Order no. TF 11–1667.

Summary: Demonstrates how to use meters in testing transformers, capacitors, resistors, telephone loop circuits, etc.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Circular letters (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

53 double fr., b&w, 35 mm.

Order no. 667.

With lecture notes.

Summary: Designed for use by extension editors to demonstrate to extension workers that circular letters are more readable, interesting, and convincing if they are "just plain talk."

Buy from PhotoLab.

Circulation in drops (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

7 min., si., b&w, 16 mm.

Summary: Presents high-speed cinematography showing the results of an investigation to establish the importance of the unsteady-state portion of the vaporization time of fuel drops in hot air experimentally, and to determine whether temperature and mass histories of these vaporizing drops could be accurately predicted from the theory. Helps explain the complex phenomena that occur prior to the combustion zone of a jet-engine combustion chamber. For technical personnel, to be used with NACA Technical note 3490: Experimental and calculated temperature and mass histories of vaporizing fuel drops.

Borrow from NASA.

Citizen airmen (*Motion picture*) U. S. Dept. of the Air Force, 1955.

15 min., sd., color, 16 mm.

Order no. SFP 324.

Summary: Explains the characteristics and advantages of the U. S. Air Force Reserve.

Borrow from AF. *Cleared for tv.*

Citizen in arms (*Motion picture*) U. S. Dept. of the Army, 1948.

8 min., sd., b&w, 16 mm.

Order no. OF 48.

Revision of film released in 1942 under title: Ring of steel.

Summary: A historical review of the part the American soldier has played in the development of the United States.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Citizen's public hall (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

32 min., sd., b&w, 16 mm.

Summary: Explains the origin of citizens' public halls in Japan, their development, and present activities in the field of domestic arts and skills. Prepared for use in occupied areas, particularly Japan.

Buy from NF.

City of Rome incident (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

5 min., sd., color, 16 mm. (Rules of the nautical road series)

Order no. MN 202–d.

Summary: Dramatizes how 37 men in a submarine met their death because of improper placement of running lights and disregard for rules of the nautical road.

Borrow from Navy. *Buy from* NF.

Civil assistance in Korea (*Motion picture*) U. S. Dept. of the Army, 1954.

30 min., sd., b&w, 16 mm.

Order no. MF 19–8274.

Summary: Story of the U. S. Army program of civil assistance in Korea, including the supply of food, clothing, and shelter; medical and hospital care; care of orphans; establishing schools for children; and technical assistance to rehabilitate major industries.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Civil defense for farmers (*Motion picture*) U. S. Dept. of Agriculture, 1956.

7 min., sd., b&w, 16 mm.

Summary: Describes civil defense action farmers can take in case of an attack, to protect themselves, their families, and their property. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

The civil defense problem (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

30 min., sd., b&w, 16 mm.

Order no. OC 6.

Summary: Val Peterson, Federal Civil Defense Administrator, explains to an officers' conference the problems and activities of civil defense in the U. S., with particular reference to the post-attack and pre-attack phase. He answers questions on the purposes for which civil defense funds are allotted; whether the knowledge of atomic danger would affect a national desire to risk war; the problem of evacuating cities; civil defense under the condition of attack without warning; coordination of military and civil defense units; the feasibility of a supra authority over military and civil defense activities; and how chemical and biological warfare fit into the civil defense program.

Borrow from Army. *Cleared for tv.*

Civil engineers of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1959.

18 min., sd., b&w, 16 mm.

Order no. MN 8807.

Summary: Portrays the various billets available to an engineer in the Civil Engineering Corps and the fields of work encountered while serving with the Corps.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Civilian guard services (*Motion picture*) U. S. Dept. of the Army, 1959.

29 min., sd., b&w, 16 mm.

Order no. TF 19–2772.

Summary: Describes the basic principles of a civilian guard system employed to safeguard military installations and industrial plants against sabotage, espionage, and pilferage.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Clap a stopper on a line (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.

Order no. MCG 305, formerly MG 2321–a.

Supplementary filmstrip of same title also available.

Summary: Explains that a stopper on a line is a rope attached to a running line to stop its motion. Demonstrates how to tie the knot.

Buy from NF.

Clap a stopper on a line (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

24 fr., b&w, 35 mm.
Order no. SCG 305, formerly SG 2321–b.
Supplements motion picture of same title.

Summary: Shows the proper method of clapping a stopper on a line and of loosening it.

Buy from NF.

Clasp partial denture design (*Filmstrip*) U. S. Navy Dept., 1943. Made by Byron, inc.

75 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.
Order no. SN 2778.

Summary: Shows and describes in detail various types of underlying mechanical principles of clasp partial denture.

Borrow from Navy.

Class of '59 (*Motion picture*) U. S. Dept. of the Air Force, 1955.

14 min., sd., b&w, 16 mm.
Order no. SFP 383.

Summary: Explains the purpose and program of the U. S. Air Force Academy, the requirements for entrance, and how to apply for appointment.

Borrow from AF. *Cleared for tv.*

Classical instruments and technique of forceps application (*Motion picture*) U. S. Dept. of the Army, 1963.

38 min., sd., color, 16 mm (Forceps deliveries, no. 2)
Order no. PMF 5358

Summary: Describes features of forceps with shanks overlapping and with separated shanks; reviews rules governing the use of forceps in deliveries; demonstrates bi-parietal posterior blade application in varying delivery positions; and discusses the use of Simpson and Elliot type forceps.

Borrow from Army.

Classification in a nutshell (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

33 double fr., color, 35 mm.
Order no. C–15.
Revision of the 1949 filmstrip of the same title.

Summary: Explains the classification system of the U. S. Civil Service. Produced for use by U. S. Dept. of Agriculture personnel.

Buy from PhotoLab.

Cleaning equipment and containers (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

28 min., sd., b&w, 16 mm. (Small milk plant operation)

Summary: Demonstrates methods for the cleaning and bactericidal treatment of cans, bottles, piping, and other equipment following the routine of flush, scrub, rinse, and sterilize. For milk handlers and sanitarians.

Borrow from PHS. *Buy from* NF.

Cleaning-in-place for pasteurization plants (*Filmstrip*) U. S. Public Health Service, 1955.

63 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Milk sanitation series)
Order no. F 186–b.

Summary: Illustrates the cleaning-in-place method of cleaning milk lines by recirculating a cleaning solution throughout the piping system instead of taking down all milk pipes and connections, and cleaning them individually. For sanitary engineers, sanitarians, and dairy science students.

Borrow from PHS. *Buy from* NF.

Cleaning the airplane (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

41 fr., b&w, 35 mm.
Order no. SN 2787.

Summary: Briefly indicates the importance of keeping the airplane clean; demonstrates one acceptable method of cleaning an airplane; and emphasizes the danger of using certain cleaning agents indiscriminately.

Borrow from Navy.

Cleanliness brings health (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

9 min., sd., color, 16 mm. (Health for the Americas series)

Summary: Shows how personal cleanliness, clean food, and safe disposal of excreta are first steps in protection against disease microbes in the home. Compares the habits of a "clean" family with those of a "careless" family. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Clear handwriting (*Motion picture*) U. S. Veterans Administration, 1960.

12 min., sd., color, 16 mm.

Summary: Shows how poor handwriting reduces efficiency. Identifies common causes of illegible handwriting and describes how improvement can be achieved without requiring a uniform style.

Borrow from VA. *Buy from* NF.

Clearing, grubbing, and rock work (*Motion picture*) U. S. War Dept., 1943.

14 min., sd., b&w, 16 mm. (Military roads and runways series, no. 1)
Order no. TF 5–1169.

Summary: Demonstrates ways to remove small brush and undergrowth, prepare stumps for demolition, and remove large boulders.

Borrow from Army.

Clergymen in uniform (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Jam Handy Organization.

13 min., sd., color, 16 mm.
Order no. MN 7329.

Summary: Shows the training received in a U. S. Navy chaplain school and, following this training, the duties and responsibilities of a Navy chaplain in the many places he must serve.

Borrow from Navy. *Cleared for tv.*

Clinical malaria (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

26 min., sd., b&w, 16 mm.
Order no. MN 1965.

Summary: Shows the relationship of the life cycle of the malarial parasite in the blood stream to the patient's clinical symptoms. Illustrates symptoms, signs, and pathological body changes associated with the three common types of infection. For medical personnel.

Borrow from Navy. *Buy from* NF.

Clinical manifestations of leprosy (*Filmstrip*) U. S. Public Health Service, 1957.

108 fr., color, 35 mm.
Order no. F–265.
Revision of 1956 filmstrips issued separately under the titles Clinical manifestations of leprosy. Part 1: Tuberculoid type, and Clinical manifestations of leprosy. Part 2: Lepromatous, indeterminate, and borderline types.

Summary: Clinical pictures of tuberculoid, lepromatous, indeterminate, and borderline cases of leprosy; and photomicrographs of histological specimens.

Borrow from PHS.

A clinical picture of anxiety hysteria (*Motion picture*) U. S. Veterans Administration, 1952.

26 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 6)

Summary: Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from anxiety hysteria. For professional personnel only.

Borrow from VA. *Buy from* NF.

A clinical picture of claustrophobia (*Motion picture*) U. S. Veterans Administration, 1952.

31 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 5)

Summary: Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from claustrophobia. For professional personnel only.

Borrow from VA. *Buy from* NF.

Close order drill series
see
The manual of arms
The platoon
The squad

Closure of antral-oral fistula (*Motion picture*) U. S. Dept. of the Army, 1961.

16 min., sd., color, 16 mm.
Order no. PMF 5335.
Summary: Describes the surgical principles and procedures related to closure of antral-oral fistula and presents the technique of the "buckle-envelope type of flap." Salient principles of surgery stress elimination of infection from maxillary sinus, adequate soft tissue flaps, and suture flaps without tension.
Borrow from Army. *Buy from* NF.

Cloud formations: Identification from the air (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.
25 fr., b&w, 35 mm.
Order no. FS 1-2007.
Summary: Describes the major types of cloud formations as seen from an airplane in flight.
Borrow from AF. *Buy from* NF.

Clouds (*Motion picture*) U. S. Weather Bureau, 1939.
11 min., sd., b&w, 16 mm.
Short version, for school use, released under title: Clouds and weather.
Summary: Shows various types of clouds; explains how high and low pressure areas move across the country and how to forecast weather from the study of clouds.
Borrow from WB. *Buy from* NF.

Clouds and weather (*Motion picture*) U. S. Weather Bureau, 1939.
6 min., sd., b&w, 16 mm.
Short version, prepared for school use, of the 1939 film released under title: Clouds.
Summary: Shows various types of clouds; explains low and high pressure areas and how to forecast weather from the study of clouds.
Borrow from WB. *Buy from* NF.

The clove hitch (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 304, formerly MG 2320-a.
Supplementary filmstrip of same title also available.
Summary: Explains the uses of the clove hitch and shows how to tie the knot correctly.
Buy from NF.

The clove hitch (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
20 fr., b&w, 35 mm.
Order no. SCG 304, formerly SG 2320-b.
Supplements motion picture of same title.
Summary: Demonstrates how to tie and untie a clove hitch.
Buy from NF.

The clutch and hand brake (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.
12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 6)
Order no. OE 482.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to determine the amount of clutch pedal clearance or "lash"; correct abnormal "lash"; check clutch for slipping, grabbing, or drag; and inspect and adjust the hand brake.
Buy from NF.

The clutch and hand brake (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.
36 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 6)
Order no. OE 482-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Coast Guard Academy (*Motion picture*) U. S. Coast Guard, 1960.

28 min., sd., color, 16 mm.
Summary: Describes various duties of a Coast Guard officer following his graduation from the Coast Guard Academy, showing views of assignments at sea and ashore in foreign countries and in the United States.
U. S. Office of Education. Educational Media Branch
Borrow from CG. *Buy from* NF. *Cleared for tv.*

The Coast Guard at war
see
Along our shores
On foreign shores

Coast Guard Auxiliary (*Motion picture*) U. S. Coast Guard, 1960.

17 min., sd., color, 16 mm.
Summary: Discusses the Coast Guard Auxiliary, describing its mission, origin, history, organization, functions, and accomplishments, with emphasis on boating safety.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Coast Guard Azalea (*Motion picture*) U. S. Coast Guard, 1960.

28 min., sd., color, 16 mm.
Summary: Describes the purpose and operations of the new buoy tender Azalea, explaining that it is operated by compressed air controls, and that it was designed and constructed by the Coast Guard. Shows its duties in the Intracoastal Waterway near Charleston, S. C. Discusses the role of the buoy tender in the replenishment of lighthouses, relieving of bouys, construction of aids-to-navigation, etc.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Coast Guard cutter Courier (*Motion picture*) U. S. Coast Guard, 1961.

12 min., sd., b&w, 16 mm.
Summary: Describes the worldwide operations of the Coast Guard, with views of a baseball game at the South Pole. Pictures a visit to the Voice of America ship Courier located at the island of Rhodes, showing its radio transmission operations.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Coast Guard cutters around the continent (*Motion picture*) U. S. Coast Guard, 1958.
29 min., sd., color, 16 mm.
Summary: Presents the story of U. S. Coast Guard participation in the 1957 Arctic operations, including circumnavigation of North America. The Hydrographic Survey Unit and the USCG Cutters Storis, Bramble, and Spar are shown in the sometimes uncertain but successful battle to locate and chart the last link in the long sought "Northwest Passage."
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Coast Guard icebreakers (*Motion picture*) U. S. Coast Guard, 1958.
29 min., sd., color, 16 mm.
Summary: Provides a panoramic view of the U. S. Coast Guard's far-flung icebreaking operations in the Arctic and Antarctic, and on the Great Lakes and rivers.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Coast Guard in Alaska (*Motion picture*) U. S. Coast Guard, 1962.

28 min., sd., color, 16 mm.
Summary: Describes the operations of the Coast Guard in Alaska, including buoy tender operation resupply of lighthouses, LORAN stations, and search and rescue functions. Contains maps identifying areas of Coast Guard operations. Includes aerial scenes of snow-covered mountains, glaciers, forests, cities, and towns.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Coast Guard lighthouses (*Motion picture*) U. S. Coast Guard, 1960.

18 min., sd., color, 16 mm.
Summary: Explains that the Coast Guard maintains 368 active light stations, and shows views of lighthouses of 1800 and of today.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Cobalt-60 reloading (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by George Tressel Productions.

8 min., sd., color, 16 mm.
Summary: Describes the unloading of a Co-60 capsule from the materials testing reactor at the National Reactor Testing Station in Idaho, showing monitoring and packing for shipment, and subsequent loading of the same capsules as the radioactive source into a teletherapy machine at the Argonne Cancer Research Hospital, Chicago.

Borrow from AEC. *Buy from* Byron.

Coccidioides immitis (*Filmstrip*) U. S. Public Health Service, 1953.

50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Laboratory identification of systemic fungi, no. 2)
Order no. F 116–b.
Summary: Gives a brief clinical picture of coccidioidomycosis and explains a laboratory technique for isolating and identifying *Coccidioides immitis.*
Borrow from PHS.

Coccidioidomycosis, its epidemiologic and clinical aspects (*Motion picture*) U. S. Public Health Service and Veterans Administration, 1956.

19 min., sd., color, 16 mm.
Order no. M 175.
Summary: Explains the clinical, histological, and epidemiological aspects of the fungus disease, coccidioidomycosis, including distribution and ecology of the etiologic agent, *Coccidiodes immitis;* clinical aspects of the benign and disseminated forms through X-ray films, actual cases, and animation; variations in the symptomatology; serology; and laboratory procedures for isolation and identification of the fungus.
Borrow from PHS or VA. *Buy from* NF.

The coconut as food and drink (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Castaway series)
Order no. SN 2306–b.
Summary: Demonstrates various ways to prepare coconuts as food and drink. Shows how to utilize each part of the coconut and tap the palm for sugar.

Borrow from Navy. *Buy from* NF.

The code and you (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

25 min., sd., b&w, 16 mm. (Uniform code of military justice series)
Order no. MN 7319–a.
Summary: Explains the major points in the Uniform code of military justice adopted by the U. S. Armed Forces.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Code of conduct. Article 1: Our heritage (*Motion picture*) U. S. Dept. of the Army, 1960.

8 min., sd., b&w, 16 mm.
Order no. AIF 5.
Summary: Discusses the precepts of Article 1 of the U. S. fighting man's Code of conduct which sets forth the dedicated spirit of the American soldier in the call of duty to defend his country. Dramatizes the traditional valor of the American fighting man throughout the history of our Nation, from the Revolutionary War to the present nuclear age. Emphasizes that the American soldier, inspired by such a heritage coupled with a steadfast belief in the concepts of freedom, will always be prepared to give his life in defense of his country.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Code of conduct. Article 3: To resist (*Motion picture*) U. S. Dept. of the Army, 1959.

8 min., sd., b&w, 16 mm.
Order no. AIF 7.
Summary: Portrays, in a dramatized situation, the precept of "resistance" when captured by the enemy.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Code of conduct. Article 4: Keep faith (*Motion picture*) U. S. Dept. of the Army, 1959.

9 min., sd., b&w, 16 mm.
Order no. AIF 8.
Summary: Portrays, in a dramatized situation, the precept of "keeping faith" with fellow prisoners when captured by the enemy.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Code of conduct. Article 5: My responsibilities (*Motion picture*) U. S. Dept. of the Army, 1959.

10 min., sd., b&w, 16 mm.
Order no. AIF 9.
Summary: Portrays, in a dramatized situation, the precept of the "responsibility of the soldier" to evade enemy interrogation harmful to his country.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Code of conduct. Article 6: Stand firm (*Motion picture*) U. S. Dept. of the Army, 1959.

9 min., sd., b&w, 16 mm.
Order no. AIF 10.
Summary: Portrays, in a dramatized situation, the precept of "standing firm" in the trust of God and Country.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Code of the fighting man (*Motion picture*) U. S. Dept. of the Army, 1959.

55 min., sd., b&w, 16 mm.
Order no. TF 21–2720.
Summary: Explains the moral obligations of the individual soldier in accordance with the precepts of the Code of conduct for the fighting man while in the service of his country; portrays, in dramatized situations, the six articles of the code.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Code: The U. S. fighting man's Code of conduct (*Motion picture*) U. S. Dept. of Defense, 1959.

29 min., sd., b&w, 16 mm.
Order no. AFIF 90.
Summary: Presents the precepts of each of the six articles of the code by reviewing various incidents of courage and valor shown by fighting men throughout all of America's wars. Illustrates conditions involving surrender, action to take if captured, conduct as a prisoner of war, how to resist enemy interrogation, and the responsibilities of the American fighting man in accordance with the Code of conduct.
Borrow from Army. *Cleared for tv.*

Cold war callup: The Navy's Selected Reserve (*Motion picture*) U. S. Dept. of the Navy, 1962.

28 min., sd., b&w, 16 mm.
Order no. MN 9783
Summary: Discusses the U. S. Naval Selected Reserve, describing its training prior to recall to active status in October 1961 and some of its activities while on active duty from October 1961 to August 1962.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Cold weather seabee (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Reid H. Ray Film Industries.

13 min., sd., b&w, 16 mm.
Order no. MN 9183.
Summary: A photographic report of a midwinter exercise by Seabee reservists, in training with the Army, in the Rocky Mountains. Shows skiing, snowshoeing, and methods of cold weather survival.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Collecting specimens for virus diagnosis (*Filmstrip*) U. S. Public Health Service, 1956.
58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 168.
Summary: Shows type of specimens of value for virus diagnosis; emphasizes the importance of timely collection; demonstrates procedures for rapid preservation; suggests types of shipping containers and precautions in packing to insure against damage in transit; and emphasizes the importance of sending complete data with the specimen.

Borrow from PHS. *Buy from* NF.

The collection and shipment of insects (*Filmstrip*) U. S. Public Health Service, 1957.
70 fr., color., 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 256.
Summary: Shows methods of collecting, preserving, and shipping insects and certain other arthropods.

Borrow from PHS. *Buy from* NF. *Cleared for tv.*

The collection of adult flies (*Motion picture*) U. S. Public Health Service, 1949.
6 min., sd., color, 16 mm. (Community fly control series)
Order no. 4-065.
Filmstrip of the same title, also available.
Summary: Shows three devices for adult fly collection—sweep net, for rapid surveys: fly trap, for detailed qualitative studies; and cone net, for collecting live flies over natural attractants.

Borrow from PHS. *Buy from* NF.

The collection of adult flies (*Filmstrip*) U. S. Public Health Service, 1949.
37 fr., color, 35 mm. (Community fly control series)
Order no. 5-122.
With film guide.
Motion picture of the same title also available.
Borrow from PHS.

Collection of blood specimens for serological examination (*Filmstrip*) U. S. Public Health Service, 1952.
69 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 34.
Summary: Emphasizes the importance of blood specimens and shows how to collect a specimen from a patient at a clinic and at home, including preparation of equipment, techniques of venepuncture, and use of a Keidel tube.

Borrow from PHS. *Buy from* NF.

Collection of fecal specimens (*Filmstrip*) U. S. Public Health Service, 1952.
54 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. F 81.
Summary: Emphasizes the importance of fecal specimens and explains the selection of a suitable container and preservative, procedures a patient should follow in collecting the specimen, preparation and use of rectal swabs, and use of two-bottle PVA fixative equipment.

Borrow from PHS. *Buy from* NF.

Collection of specimens from the eye, nose, and throat (*Filmstrip*) U. S. Public Health Service, 1952.
45 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min.
Order no. F 105.
Summary: Emphasizes the importance of eye, nose and throat culture specimens; and explains the preparation of equipment for the collection of such specimens, the routine in taking specimens from selected cases, preparation of specimens for shipment to the laboratory, and interpretation of laboratory reports.

Borrow from PHS. *Buy from* NF.

Collection of sputum specimens (*Filmstrip*) U. S. Public Health Service, 1953.
60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 82.
Summary: Explains the principles of and the procedures for obtaining sputum specimens by coughing, the postural method, and gastric washings.

Borrow from PHS. *Buy from* NF.

The collision diagram (*Motion picture*) U. S. Dept. of the Army, 1956.
5 min., sd., b&w, 16 mm.
Order no. TF 19-2272.
Summary: Explains how a collision diagram is prepared from an accident report, including plotting information, identifying diagram, legend, identifying accidents along arrows of direction, right angle collision pattern, rear end collision pattern, and side swipe pattern.
Borrow from Army.

Colombia, crossroads of the Americas (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
27 min., sd., b&w, 16 mm.
Summary: Geographic, social, and economic aspects of Colombia, including city and country life, industries and natural resources, customs, religion, and education.

Buy from NF.

Colonial home industries (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. National Museum, 1939.
60 fr., b&w, 35 mm.
Order no. 517.
With lecture notes.
Summary: Traces the development of the home textile industry to present-day handicrafts, showing some patterns designed by homemakers.
Buy from PhotoLab.

The colonists develop a life of their own
see American history I, lecture 3: The colonists develop a life of their own

Color changes and skin lesions in peripheral vascular diseases (*Motion picture*) U. S. Veterans Administration, 1961.

15 min., sd., color, 16 mm.
Summary: Shows examples of various skin changes associated with specific peripheral vascular diseases.
Borrow from VA.

Color vision deficiencies: Definition and evaluation (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Audio Productions.
20 min., sd., color, 16 mm.
Order no. MN 8246.
Summary: Explains the importance of color discrimination; shows how individual color vision deficiencies perceive the spectrum; defines three types of color vision deficiencies and shows color confusions involved in each type. Demonstrates mild, moderate, and severe degrees of defects for one type of color vision deficiency and shows applications involved. Shows procedure for administering approved tests for color vision deficiencies, such as the pseudo-isochromatic plate test and the Farnsworth lantern test. Designed primarily for medical personnel.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Colostomy closure (End to end anastomosis) (*Motion picture*) U. S. Dept. of the Army, 1947.
14 min., sd., color, 16 mm.
Order no. PMF 5001.
Summary: Demonstrates surgical repair of left upper abdominal colostomy. For medical personnel.
Borrow from Army.

The Columbia (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1949.
20 min., sd., b&w, 16 mm.
Summary: Explains the Federal program for the development of the Columbia River and its tributaries. Discusses the construction of multiple purpose projects, such as Grand Coulee and Bonneville Dams, for irrigation, navigation, flood control, and power development.
Borrow from BPA.

Columbia frontier (*Motion picture*) U. S. Bureau of Reclamation, 1953. Made by U. S. Dept. of Agriculture.
27 min., sd. color, 16 mm.
Summary: Tells the story of the development of the Columbia River reclamation project in the State of Washington. Includes an explanation of the prehistoric, ice-age diversion of the Columbia River; scenes of the construction of Grand Coulee Dam; the power and pumping plants; and the delivery of irrigation water to acres of land.
Borrow from BR. *Buy from* NF. *Cleared for tv.*

The Columbia: River of planned destiny (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.
28 min., sd., color, 16 mm.
Summary: Filmed documentary covering a detailed plan for the utilization of the natural resources of the Columbia River, including power, navigation, irrigation, reclamation, and recreation. Shows what has been accomplished and discusses planned future developments. Also discusses work which has been done on the Snake and Willamette Rivers.
Borrow from Eng. *Cleared for tv.*

Combat America (*Motion picture*) U. S. Army Air Forces, 1945.
55 min., sd., color, 16 mm.
Order no. WF 104–39.
Summary: Dramatized story of the 351st Bomber Group of the U. S. Army Air Forces, from its training in Colorado to a mission over Germany. Portrays the crews and gunners at a base in England and on the mission. Includes combat footage.
Borrow from AF.

Combat bulletin, no. 1 (*Motion picture*) U. S. Dept. of Defense, 1944.
13 min., sd., b&w, 16 mm.
Order no. CB 1.
Contents: Combat shots, Pacific and Italian theaters.
Borrow from Army.

Combat bulletin, no. 4 (*Motion picture*) U. S. Dept. of Defense, 1944.
19 min., sd., b&w, 16 mm.
Order no. CB 4.
Contents: Battle for Cassino.—Japanese and jungle.—Tanks and infantry face enemy fire.
Borrow from Army.

Combat bulletin, no. 6 (*Motion picture*) U. S. Dept. of Defense, 1944.
23 min., sd., b&w, 16 mm.
Order no. CB 6.
Contents: Beachhead operations.—A day on a European beachhead.
Borrow from Army.

Combat bulletin, no. 17 (*Motion picture*) U. S. Dept. of Defense, 1944.
38 min., sd., b&w, 16 mm.
Order no. CB 17.
Contents: Invasion of southern France.—Operations in northern France.—Operations in Burma.—Japanese attack U. S. task force.
Borrow from Army.

Combat bulletin, no. 19 (*Motion picture*) U. S. Dept. of Defense, 1944.
21 min., sd., b&w, 16 mm.
Order no. CB 19.
Contents: Expansion of beachhead in southern France.—Activities on Ledo and Burma Roads.—Activities at Leghorn, Italy.—Operations in northern France.
Borrow from Army.

Combat bulletin, no. 24 (*Motion picture*) U. S. Dept. of Defense, 1944.
20 min., sd., b&w, 16 mm.
Order no. CB 24.
Contents: Channel coast activities.—Ordnance repairs.—German frontier operations.—Airborne operations.—Toulon Harbor installations.—Invasion of Palau Islands.
Borrow from Army.

Combat bulletin, no. 25 (*Motion picture*) U. S. Dept. of Defense, 1944.
25 min., sd., b&w, 16 mm.
Order no. CB 25.
Contents: Evacuation of Kweilin.—Supply for American 1st Army.—Allies near Po Valley.—Americans rebuild Japanese base.—Invasion of Anguar.
Borrow from Army.

Combat bulletin, no. 27 (*Motion picture*) U. S. Dept. of Defense, 1944.
28 min., sd., b&w, 16 mm.
Order no. CB 27.
Contents: Clean-up on Peleliu and Anguar.—Activities in ETO.—More Brazilian troops reach Italian front.—Preparations for Philippine invasion.—Landings on Leyte.
Borrow from Army.

Combat bulletin, no. 28 (*Motion picture*) U. S. Dept. of Defense, 1944.
19 min., sd., b&w, 16 mm.
Order no. CB 28.
Contents: Activities in ETO.—Battle of the Netherlands.—Glider pick-up at Eindhoven.—Air Force fighter kills.—Liberation of Greece.—Activities in Burma.—Gen. Seagrave's field hospital unit.—The U. S. Navy presents.—Battle of the Philippines.
Borrow from Army.

Combat bulletin, no. 30 (*Motion picture*) U. S. Dept. of Defense, 1944.
21 min., sd., b&w, 16 mm.
Order no. CB 30.
Contents: Activities in ETO.—RAF sinks Tirpitz.—Frontline steel production.—Bombed Belgian rail network.—Rain and snow slow Allied armies—Burma operations.—Activities in Philippines.
Borrow from Army.

Combat bulletin, no. 31 (*Motion picture*) U. S. Dept. of Defense, 1944.
15 min., sd., b&w, 16 mm.
Order no. CB 31.
Contents: Personnel pick-up tests at Wright Field.—Wine barrel revetments.—Eighth Air Force fighter kills.—Remote control tank.—Opening of big push.—Huertgen Forest.—Aachen area.
Borrow from Army.

Combat bulletin, no. 33 (*Motion picture*) U. S. Dept. of Defense, 1945.
18 min., sd., b&w, 16 mm.
Order no. CB 33.
Contents: School for jungle life.—Activities in ETO.—American 1st and 9th Armies drive forward on Aachen front.—To the south, U. S. and French troops of the 6th Army press forward before the Rhine plain. — Island ice box. — Advance toward Ormoc Road. — Carrier strikes in Ormoc and Manila Bays.
Borrow from Army.

Combat bulletin, no. 35 (*Motion picture*) U. S. Dept. of Defense, 1945.
20 min., sd., b&w, 16 mm.
Order no. CB 35.
Contents: Japanese raid Saipan B–29 base.—GI's get whole blood from homefront.—"Black Widow" and "Jato."—Activities in Burma, China, and ETO.
Borrow from Army.

Combat bulletin, no. 40 (*Motion picture*) U. S. Dept. of Defense, 1945.
20 min., sd., b&w, 16 mm.
Order no. CB 40.
Contents: Attack on Manila Harbor.—First landing on Luzon.—Action on Western front.—Alsace front.—Bomb damage viewed at captured oil plant.—Sumatra oil refineries bombed.—Para-demolition on NE Celebes.
Borrow from Army.

Combat bulletin, no. 42 (*Motion picture*) U. S. Dept. of Defense, 1945.
31 min., sd., b&w, 16 mm.
Order no. CB 42.
Contents: Meeting of Allied leaders.—Nazi shipping attacked along Norwegian coast.—New aircrew oxygen bottle.—Activities in ETO and Burma.—Bailey assault bridge.—Army-Navy planes hit Japanese installations.—Operations in the Philippines.
Borrow from Army.

Combat bulletin, no. 43 (*Motion picture*) U. S. Dept. of Defense, 1945.
23 min., sd., b&w, 16 mm.
Order no. CB 43.
Contents: Activities in ETO.—Trays from scrap metal.—DDT spray for jungle.—Capture of Ramree.—Modern plant services allied aircraft.—Stilwell Road convoy reaches Kumming.—Luzon operations.
Borrow from Army.

Combat bulletin, no. 45 (*Motion picture*) U. S. Dept. of Defense, 1945.
30 min., sd., b&w, 16 mm.
Order no. CB 45.
Contents: Action on Iwo Jima.—Radio Luzembourg.—Activities in ETO.—Roosevelt meeting.—Activities in Philippines.—Manila.—Corregidor and Mariveles.
Borrow from Army.

Combat fatigue series
see
Assignment home
Insomnia

Combat firing with hand guns (*Motion picture*) U. S. War Dept., 1944.
17 min., sd., b&w, 16 mm.
Order no. FB 19–152.
Summary: Illustrates correct techniques in the use of hand guns, the three basic firing positions—prone, kneeling, and standing—and the employment of hand weapons at close quarters.
Borrow from Army.

Combat in deep snow and extreme cold (*Motion picture*) U. S. Dept. of the Army, 1950.
21 min., sd., b&w, 16 mm.
Order no. TF 7–1550.
Summary: Demonstrates the technique of combat under conditions of deep snow and extreme cold in forested areas of the Arctic. Shows an infantry rifle company on a two-day combat mission in enemy territory, and describes survival methods.
Borrow from Army. *Cleared for tv.*

Combat psychiatry: The battalion medical officer (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.
36 min., sd., b&w, 16 mm.
Order no. MN 7499–a.
Summary: Portrays the general run-of-the-mill psychiatric casualties encountered in combat at the battalion level and how such casualties are properly managed at this level by the medical officer. Describes the basic and fundamental principles of psychiatry for indoctrinating the medical officer for combat assignment.
Borrow from Navy. *Buy from* NF.

Combat psychiatry: The division psychiatrist (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.
29 min., sd., b&w, 16 mm.
Order no. MN 7499–b.
Summary: Depicts the medical battalion psychiatrist (division psychiatrist) and explains the general principles and practices of combat psychiatry. Points out that cooperation and understanding by the psychiatrist and hospital corps personnel are essential to prevent needless loss of manpower.
Borrow from Navy. *Buy from* NF.

Combat recognition (*Motion picture*) U. S. Dept. of the Air Force, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 1–5115.
Summary: Describes recognition features of the following USAF jet bombers: the B–57, an American version of the British Canberra; the B–66, a twin jet tactical bomber; the B–47 Stratojet; and the B–52 intercontinental Stratofortress.
Borrow from AF.

Combative measures: Judo (*Motion picture*) U. S. Dept. of the Aid Force, 1955.
21 motion pictures, sd., b&w, 16 mm.
Order no. TF 1–4981.
Summary: **1.** Introduction for combat crews. 18 min.—**2.** Introduction for air police. 10 min.—**3a.** Principles and body movement. 11 min.—**3b.** Falling way (ukemi) 6 min.—**3c.** Shoulder wheel (kataguruma) 3 min.—**3d.** Shoulder throw (seoinage) 3 min.—**3e.** Body drop (tai-otoshi) 3 min.—**3f.** Hip throw (o-goshi) 3 min.—**3g.** Front foot block (sasae-tsurikomi-ashi) 3 min.—**3h.** Double foot sweep (okuri-ashi-barai) 3 min. —**3j.** Outside leg sweep (o-soto-gari) 3 min.—**3k.** Lateral corner drop (modified sumi-gaeshi) 3 min.—**3l.** Holding techniques. 3 min.—**3m.** Choking techniques. 4 min.—**3n.** Choking techniques. 4 min.—**3o.** Joint locking techniques. 6 min.—**4a.** Parrying and striking. 8 min.—**4b.** Standing and ground maneuvering. 5 min.—**4c.** Disarming and use of weapons. 6 min.—**5a.** Advanced throwing. 5 min.—**5b.** Combinations and counter-throwing. 10 min.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Combined resection of tongue and floor of mouth with radical neck dissection (*Motion picture*) U. S. Veterans Administration, 1953.
34 min., sd., color, 16 mm.
Summary: Demonstrates a technique of radical surgical extirpation for primary intra-oral cancer, incorporating the concepts of removal of the pathways of lymphatic metastases in continuity. Shows radical neck dissection, resection of the mandible, and a method of primary reconstruction of the mouth and jaw. For medical personnel.
Borrow from VA. *Buy from* NF.

Comeback (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Pictorial Research; revised by Unifilms.
28 min., sd., color, 16 mm.
Revision of 1946 film with same title.
Summary: Shows in detail the rehabilitation of a double-leg amputee and, in lesser detail, the rehabilitation of a psychiatric patient, a tubercular individual, and others, into steady and self-supporting employment.
Borrow from OVR. *Cleared for tv.*

Comida abundante para todos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Spanish version of Extra feeding pays.
Summary: Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture-land and recommends the planting of several kinds of grasses.
Buy from NF. *Cleared for tv.*

Command of the seas: Arctic (*Motion picture*) U. S. Dept. of the Navy, 1952.
17 min., sd., color, 16 mm.
Order no. MN 7450–a.
Summary: Explains the functions and responsibilities of the U. S. Navy in the Arctic Ocean; portrays the operations of Navy icebreakers, cargo vessels, submarines, and landing craft; and describes base construction, cold-weather equipment, and wanigan trains.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Command of the seas: Atlantic (*Motion picture*) U. S. Dept. of the Navy, 1952.
17 min., sd., color, 16 mm.
Order no. MN 7450–c.
Summary: Explains the functions and operations of the U. S. Navy in the Atlantic Ocean and Mediterranean Sea, including portrayals of visits of the fleet to various European and Mediterranean ports, naval exercises, anti-submarine warfare, and cooperation with the navies of other countries.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Command of the seas: Pacific (*Motion picture*) U. S. Dept. of the Navy, 1952.

17 min., sd., color, 16 mm.

Order no. MN 7459-b.

Summary: Explains the functions and responsibilities of the U. S. Navy in the Pacific including its operations in U. S. insular possessions and UN protectorates and its activities and accomplishments in the Korean War.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Command of the seas: United States (*Motion picture*) U. S. Dept. of the Navy, 1952.

17 min., sd., color, 16 mm.

Order no. MN 7459-d.

Summary: Explains the function of the U. S. Navy as that of maintaining command of the seas, and shows the mothballing and demothballing of the fleet, the Navy recruitment program, launching of new ships and submarines, developments in naval research, and the firing of a Viking rocket from a Navy guided missile ship.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Comments by farmers (*Motion picture*) U. S. Dept. of Agriculture, 1962.

26 min., sd., color, 16 mm.

Summary: A visit to the farms of three mid-American farmers to look, listen, and learn about and from them. Describes the pressures and the pleasures of modern American farming.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Commercial systems series
see Refrigeration service series. Commercial systems

The common defense (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

25 min., sd., b&w, 16 mm.

Order no. AFSM 568.

Summary: Reviews the highlights of defense activity during 1958, including missile and satellite programs, jet aircraft developments, IGY Deep Freeze Operation in the Antarctica, submarine expeditions under the North Pole, United States military assistance in Lebanon and Formosa, reorganization of the Department of Defense, and the organization and tactical concept of the Pentomic Army.

Borrow from Army. *Cleared for tv.*

Common saprophytic fungi (*Filmstrip*) U. S. Public Health Service, 1960.

40 fr., color, 35 mm.

Order no. F 446.

With narrator's guide.

Summary: Depicts the gross and microscopic features of 17 species of saprophytic fungi representing 15 genera. Shows the diagnostic characteristics of species that commonly appear as contaminants in cultures in the medical mycology laboratory.

Borrow from PHS. *Buy from* NF.

Communication center procedure. Part 1: Outgoing messages (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., b&w, 16 mm.

Order no. TF 11–1733.

Summary: Illustrates the proper procedure for handling outgoing messages at an army communication center. Emphasizes the handling of classified messages and use of the message center log.

Borrow from Army. *Buy from* NF.

Communication center procedure. Part 2: Incoming messages (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

7 min., sd., b&w, 16 mm.

Order no. TF 11–1734.

Summary: Describes the operations of a communication center at corps and lower headquarters. Emphasizes the care necessary to insure the efficiency of message handling.

Borrow from Army. *Buy from* NF.

Communism (*Motion picture*) U. S. Dept. of Defense. Released for public education use through U. S. Office of Education, 1950.

32 min., sd., b&w, 16 mm.

Order no. AFIF 5.

Summary: Presents a brief history of Communism; its totalitarian characteristics; and how communists operate in the United States.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Communist blueprint for conquest (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

33 min., sd., b&w, 16 mm.

Order no. AFIF 76.

Summary: Explains the methods and techniques used by the Communists to seize power in a country. Shows how the party gains control of local and central governments of a country; how it moves against other political parties, land owners, big business, the middle class, professional groups, workers, and churches; and describes the party attitude towards the individual in relation to the state.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Communist Europe (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

19 min., sd., b&w, 16 mm.

Order no. AFIF 107.

Summary: A study of the Communist satellite countries of Europe, appraising their cultural, economic, and political status; and their vital significance in the power struggle between the U. S. S. R. and the West.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Communist objectives in the Far East (*Motion picture*) U. S. Dept. of Defense, 1956.

31 min., sd., b&w, 16 mm.

Order no. OC 7.

Summary: Walter S. Robertson, as Asst. Secretary of State for Far Eastern Affairs, explains to an officers' conference the communist objectives in Asia, and U. S. concern in curbing the expansion of communist power in that area; and answers questions concerning the chances of an attack by Red China on Formosa, the future of Free China in the event of the death of Chiang Kai-shek, strength of the communist movement in Japan, prospects for improvement of relations between Korea and Japan, and the future of the Malayan pact.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Communist propaganda (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Dept. of the Air Force.

42 min., sd., b&w, 16 mm.

Order no. WA 8

Summary: George V. Allen, director of the U. S. Information Agency, discusses the Soviet propaganda program and answers related questions posed by officers attending the National War College.

Borrow from AF.

Communist target—youth (*Motion picture*) U. S. Dept. of Defense, 1962.

34 min., sd., b&w, 16 mm.

Order no. AFIF 116

Summary: Explains the techniques and methods used by the Communists to gain and wield control over the young people of the world. Discusses techniques used to indoctrinate the youth of the U. S. S. R., Red China, and satellite nations in the concept of materialism, and reviews communism in action in uncommitted countries, in areas of unrest, and in the United States. Emphasizes that the success or failure of the Communist battle for the hearts and minds of men lies with young Americans and the youth of the free world.

Borrow from Army. *Cleared for tv.*

The communist weapon of allure (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

36 min., sd., b&w, 16 mm.

Order no. AFIF 75.

Summary: Dr. Warren B. Walsh, professor of Russian history at the Maxwell Graduate School of Citizenship and Public Affairs, Syracuse University, explains the methods used by the Communists to gain converts.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

A community advisory service (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

27 min., sd., b&w, 16 mm.

Summary: Shows the organization and operation of a community advisory service in Bridgeport, Conn., and the values of such a service to the individuals of the community. Prepared for overseas use.

Buy from NF.

Community canning (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Farm work series. Food preservation, no. 1)

Order no. OE 198.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to wash, snap, grade, blanch, and season beans; prepare the cans, then pack and exhaust them; label and seal the cans; use a pressure cooker, or retort; and cool, dry, and store the cans.

Buy from NF.

Community canning (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

20 fr., b&w, 35 mm. (Farm work series. Food preservation, no. 1)

Order no. OE 198–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Community Chest (*Motion picture*) U. S. Dept. of the Army, 1950. Made by RKO Pathé. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., b&w, 16 mm.

Summary: A sociology student reports how individual welfare agencies in Yonkers, N. Y., organized under the Community Chest, work to solve the problems of rehabilitation, welfare, and relief. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Community fly control operations (*Motion picture*) U. S. Public Health Service, 1952.

12 min., sd., b&w, 16 mm. (Community fly control series)

Order no. 4–094.

Summary: Explains the steps taken in a fly control project in a typical town, involving gaining the support of the people (education); eliminating fly breeding places (sanitation); and applying spray materials (chemical control)

Borrow from PHS. *Buy from* NF.

Community fly control series
see
Biology of domestic flies
The collection of adult flies
Community fly control operations
Fly control through basic sanitation
Fly density surveys by the grill method
Spraying equipment and procedures. Part 1: Residual spraying

Community forests, a local asset (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

79 fr. b&w, 35 mm.

Order no. 604.

With lecture notes.

Summary: Shows the values of a community forest including profit, employment, and recreation.

Buy from PhotoLab.

Como cuidar da criança (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Saúde para as Américas)

Portuguese version of Infant care.

Summary: Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Como cuidar da terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Portuguese version of The land must eat.

Summary Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.

Buy from NF. *Cleared for tv.*

Como exterminar os insectos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

7 min., sd., color, 16 mm.

Portuguese version of Insect enemies.

Summary: Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

Buy from NF. *Cleared for tv.*

Compass compensation: Tank lighter (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public eduactional use through U. S. Office of Education, 1948.

63 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 30 min.

Order no. SN 1366.

Summary: Points out the parts of a pelorus; explains where to locate it on a ship; and shows how to check for east and west deviation.

Borrow from Navy. *Buy from* NF.

A compass for agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1959.

22 min., sd., color, 16 mm.

Revision of 1952 film of same title.

Summary: Describes the origin of crop reporting work in American agriculture, Federal-State cooperation in collecting and compiling the statistics for the Crop report, the work of the Crop Reporting Service, and how the information is used to benefit the farmer.

Rent from DA film libraries. *Cleared for tv.*

The compass system (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

16 min., sd., b&w, 16 mm. (The gyro compass series)

Order no. MN 1792–e.

Summary: Explains and demonstrates the five major assemblies of a Sperry Mark 14 gyro compass (sensitive, phantom, and spider elements, mercury ballistic, and binnacle); and shows the operation of the follow-up and repeater systems.

Borrow from Navy. *Buy from* NF.

Compensating the compass (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

32 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–d, formerly SG 3883–d.

Summary: Explains the functions, purpose, and compensation of the compass as an instrument of navigation.

Buy from NF.

Complete dentures: Alginate impressions (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., color, 16 mm.

Order no. MN 6720.

Summary: Illustrates the technique for non-pressure full denture impressions using alginate (irreversible hydrocolloid) in loose fitting, perforated baseplate tray.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Complete dentures: Remount procedures (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Byron, inc.

19 min., sd., color, 16 mm.

Order no. MN 9376.

Summary: Illustrates methods for correction of occlusal errors that have occurred in the processing phases of complete denture fabrication. Demonstrates procedures for laboratory remount and patient remount.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Complicated exodontia, introduction (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., color, 16 mm.
Order no. MN 6722.

Summary: Deals with the fundamental procedures involved in the successful removal of all teeth; gives particular attention to those teeth which require more than the use of forceps alone for extraction; and demonstrates the basic principles underlying a proposed plan for treatment.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Compression molding. Part 1: Preparing the charge and loading the mold (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

11 min., sd., b&w, 16 mm. (Plastics series, no. 3)
Order no. OE 468.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up the press; weigh the charge; preheat the charge; clean and lubricate the mold; and load the mold.

Buy from NF.

Compression molding. Part 1: Preparing the charge and loading the mold (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

39 fr., b&w, 35 mm. (Plastics series, no. 3)
Order no. OE 468–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Compression molding. Part 2: Molding a simple part (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

10 min., sd., b&w, 16 mm. (Plastics series, no. 4)
Order no. OE 469.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to close, breathe, and open the mold; prevent pieces from warping; and coordinate steps of the molding cycle.

Buy from NF.

Compression molding. Part 2: Molding a simple part (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

42 fr., b&w, 35 mm. (Plastics series, no. 4)
Order no. OE 469–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Concept for victory: A message to the personnel of the U. S. Army by General M. B. Ridgway (*Motion picture*) U. S. Dept. of the Army, 1955.

16 min., sd., b&w, 16 mm.
Order no. MF 45–8568.

Summary: General M. B. Ridgway, Army Chief of Staff, stresses the importance of the ground fighting man, discusses the role of the Army in war, and explains that victory over enemy ground forces can be achieved only by opposing ground forces.

Borrow from Army. *Cleared for tv.*

Concrete construction (*Filmstrip*) U. S. Dept. of the Army, 1961.

50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 15 min.
Order no. SFS 5–166

Summary: Describes the basic steps and equipment used in producing good concrete. Includes the operations of batching, mixing, placing, finishing, and curing.

Borrow from Army.

Concrete ditching for malaria control (*Motion picture*) U. S. Public Health Service, 1949.

7 min., sd., color, 16 mm. (Malaria control series)
Order no. 4–046.

Summary: Shows how to construct a permanent concrete drainage system to eliminate breeding areas for malaria-carrying mosquitoes, improve community appearance, and create higher property values, greater farming efficiency, higher income, and standards of living.

Borrow from PHS.

Conelrad alert (*Motion picture*) U. S. Dept. of the Air Force, 1956.

12 min., sd., b&w, 16 mm.
Order no. SFP 320.

Summary: Explains the reasons for and describes the operations of conelrad alert in the event of an enemy attack.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Conex transporters: Loading, blocking, and bracing conex transporters on transportation equipment (*Motion picture*) U. S. Dept. of the Army, 1962.

10 min., sd., b&w, 16 mm.
Order no. TF 55–3176

Summary: Describes the methods of loading conex transporters onto trucks, railcars, and ships, and demonstrates the techniques for blocking and bracing so that containers will not sway during travel.

Borrow from Army.

Conex transporters: Loading troop support cargo for shipment from conus depots (*Motion picture*) U. S. Dept. of the Army, 1962.

9 min., sd., b&w, 16 mm.
Order no. TF 55–3175

Summary: Demonstrates the methods for loading conex transporters for shipment of military supplies from conus depots.

Borrow from Army.

Conex transporters: The use of inserts and conex transporters (*Motion picture*) U. S. Dept. of the Army, 1962.

10 min., sd., b&w, 16 mm.
Order no. TF 55–3174

Summary: Describes the assembly and loading of insert containers into conex transporters. Emphasizes the advantages of inserts for shipment of small TOE items in terms of economy of space and speed of loading.

Borrow from Army.

Confection d'un noyau simple (*Motion picture*) U. S. Office of Education, 1954.

15 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 2)
Order no. OE 424–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Making a simple core.

Buy from NF.

Connecting and adjusting controls (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 260.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to inspect and adjust the elevator and rudder control cables; line up and safety a turnbuckle; remove and replace a damaged aileron control cable; and adjust it for proper aileron travel.

Buy from NF.

Connecting and adjusting controls (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

43 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 260–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Connecting rods, crankshafts, bearings, and crankcases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

43 fr., b&w, 35 mm.
Order no. FS 1–35.

Summary: Describes the purpose, essential parts, and means of disassembling and assembling connecting rods, crankshafts, bearings, and crankcases in an airplane.

Borrow from AF. *Buy from* NF.

Conselhos para as mães (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

11 min., sd., color, 16 mm.
Portuguese version of Wise parents, healthy babies.
Summary: Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

Buy from NF. *Cleared for tv.*

Conservação do solo (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.
Portuguese version of Your soil, your future.
Summary: Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

Buy from NF. *Cleared for tv.*

Conservación de la tierra fértil (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.
Spanish version of Your soil, your future.
Summary: Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

Buy from NF. *Cleared for tv.*

Conservation and you (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

79 fr., color, 35 mm.
Order no. C-92
Summary: Discusses the conservation of renewable resources in the United States, including soil, water, grass, woodlands, and wildlife.

Buy from Photo Lab.

Conservation planning for national security (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Audio Productions.

20 min., sd., color, 16 mm.
Order no. MN 8209.
Summary: Presents the problem of conserving the non-replenishable resources of the country from a total defense point of view. Discusses use of alternates, extenders, protective maintenance, and effective salvage and reclamation programs; the importance of administrative action to implement research and development and to offset loss of time; conservation planning to make full use of manpower and creative ideas; and some unsolved problems of conservation.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Conservation vistas (*Motion picture*) U. S. Dept. of Agriculture, 1959.

14 min., sd., color, 16 mm.
Summary: Describes classroom and outdoor activities which add interest to the teaching of conservation, from those found in everyday environments to the more ambitious programs of school forests and school conservation camps. Designed for teachers, school administrators, and school boards.

Rent from DA film libraries. *Buy from* DA. *Buy from* NF.

Conserve el interés de sus empleados (*Motion picture*) U. S. Office of Education ₍1959?₎

13 min., sd., b&w, 16 mm.
Order no. OE 170-Sp.
Spanish version of the 1944 motion picture entitled Maintaining workers' interest.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Dramatized instances portray employees doing poor work because their jobs do not interest them, and explain what the supervisor should do to detect and remedy such situations.

Buy from NF.

Consolidated messing operations (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

13 min., sd., b&w, 16 mm.
Order no. TF 10-1583.
Summary: Shows how a consolidated mess is operated, and how the mess steward and the managing personnel plan the operation, supervise, and delegate jobs to various mess personnel.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Consonants
see Articulatory movements in the production of English speech sounds. Part 1: Consonants

Constructing a farm pond (*Filmstrip*) U. S. Public Health Service in cooperation with Alabama Departments of Conservation and Health, Alabama Polytechnic Institute, and U. S. Soil Conservation Service, 1949.

78 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. 5-136.
Summary: Demonstrates the construction of a farm pond in accordance with principles explained by the county agent and county sanitation officer.

Borrow from PHS. *Buy from* NF.

Constructing a sanitary pit privy (*Motion picture*) U. S. Public Health Service, 1949.

15 min., sd., color, 16 mm. (Environmental sanitation series)
Order no. 4-083.
With film guide.
Filmstrip of the same title also available.
Summary: Demonstrates the public health values of the sanitary pit privy, the principles of sanitation involved in its construction, and construction procedures.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Constructing a sanitary pit privy (*Filmstrip*) U. S. Public Health Service, 1949.

70 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Environmental sanitation series)
Order no. 5-119.
With film guide.
Motion picture of the same title also available.

Borrow from PHS. *Buy from* NF.

Constructing a typical household system (*Motion picture*) U. S. Public Health Service, 1952.

14 min., sd., b&w, 16 mm. (Individual sewage disposal systems)
Order no. M 50-c.
Summary: Explains the principles and procedures involved in the construction and maintenance of a septic tank and subsurface disposal system, including site inspection and layout, installation of the septic tank, constructing the tile drainage field, sanitary inspection, and yearly maintenance.

Borrow from PHS. *Buy from* NF.

Construction for defense (*Motion picture*) U. S. Army Engineers, 1952.

15 min., sd., color, 16 mm.
Summary: Illustrates military construction being performed by the Corps of Engineers for the Army and Air Force in the Southwestern United States, and for the Air Force in Africa and Greenland.

Borrow from Eng. *Cleared for tv.*

The construction of a portland-cement concrete airfield pavement (*Motion picture*) U. S. Army Engineers, 1955.

56 min., sd., color, 16 mm.
Summary: The general story of the construction of an airfield pavement, including the duties of the inspector in the field and in the laboratory.

Borrow from Eng. *Cleared for tv.*

Construction of an offshore light station (*Motion picture*) U. S. Coast Guard, 1963.

29 min., sd., color, 16 mm.

Summary: A documentary record of the assembly in a shipyard, movement to erection site, construction, and completion of a new type Coast Guard offshore tower replacing a lightship on station. Shows a floating crane used in erecting the tower's components, including housing atop the tower for living and working quarters of the light's crew, and space on the roof of the housing for a helicopter landing. Includes views of the dedication of the station.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Construction of Arctic igloo (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.
Order no. FB 20–220.
Released also under the title Arctic igloo (order no. AFSR 95)

Summary: Demonstrates the construction of a snow house or igloo; and explains its advantages over a tent for Arctic shelter.

Borrow from Army. *Buy from* NF.

Construction of Arctic igloo
see also
Arctic igloo

The construction of diesel engines (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

17 min., sd., b&w, 16 mm.
Order no. MN 43.

Summary: Shows the general structure of several types of diesel engines and the different frame types, cylinder parts, pistons, piston rings, connecting rods, crankshafts, bearings, camshafts, and rocker assemblies.

Borrow from Navy. *Buy from* NF.

Construction of Little Rock Air Force Base (*Motion picture*) U. S. Army Engineers, 1957.

14 min., sd., color, 16 mm.

Summary: Depicts the construction of Little Rock Air Force Base from land procurement to the operational phase, showing principally earth moving, as well as runway and apron construction.

Borrow from Eng. *Cleared for tv.*

Construction of screw lock sectional splint (*Motion picture*) U. S. Dept. of the Army, 1947.

17 min., sd., color, 16 mm.
Order no. PMF 5073.

Summary: Demonstrates a case of facial injury which includes a fracture of the mandible, comminuted and compound, requiring additional bone to restore the contour of the mandible. Various phases of the fixation, grafting, and replacement are shown. For medical and dental personnel.

Borrow from Army.

Construction of 10,000 barrel bolted steel tanks. Part 1: Foundation, bottom, and sidewalls (*Motion picture*) U. S. Dept. of the Army, 1954.

16 min., sd., b&w, 16 mm.
Order no. TF 5–1817.

Summary: Shows the construction of the foundation, bottom, and sidewalls of the large steel tanks used by the U. S. Army to store and dispense petroleum products in the field.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Construction of 10,000 barrel bolted steel tanks. Part 2: Center support, deck, valves, and vents (*Motion picture*) U. S. Dept. of the Army, 1954.

9 min., sd., b&w, 16 mm.
Order no. TF 5–1898.

Summary: Shows the erection of the center section, assembly of deck plates and rafters, and installation of valves and vents in the large steel tanks used by the U. S. Army to store and dispense petroleum products in the field.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Construction of the Argonne research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1956.

12 min., sd., b&w, 16 mm.

Summary: Shows some of the important stages in the construction of the Argonne research reactor, a heavy water reactor, operating at a normal power level of 1,000 kw. Illustrates many important design features by showing various stages in the construction of this reactor.

Borrow from AEC. *Cleared for tv.*

Construction of the experimental boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1957.

10 min., sd., b&w, 16 mm.

Summary: Describes high lights of construction of the experimental boiling water reactor (EBWR) a nuclear power plant of 5,000 kw. electrical capacity and the first of the reactors in the AEC's nuclear power development program to be completed. Shows erection of the steel shell for the power plant, special concrete work, and installation of equipment, including the reactor pressure vessel.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Construction of the Little Rock Veterans Administration Hospital, part 1 (*Motion picture*) U. S. Army Engineers, 1951.

43 min., sd., color, 16 mm.

Summary: Deals with various phases of the construction of the hospital from a survey of the site to completion of the penthouse, including the use of bar joists and pan forms and the damp-proofing of concrete.

Borrow from Eng. *Cleared for tv.*

Construction of the Little Rock Veterans Administration Hospital, part 2 (*Motion picture*) U. S. Army Engineers, 1951.

30 min., sd., color, 16 mm.

Summary: Shows the interior of the completed hospital and explains the operation of various units of the hospital.

Borrow from Eng. *Cleared for tv.*

Consumer education shorts series
see
Ahead of 'em all
An apple a day
Bite 'em and C
Fourteen carrots
Good things come in pears
It's a peach
It's a snap
Juiced for you
Onions and more onions
Potatoes are appealing
Prunes are swell
Queen of the vegetables

Contour face milling (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

17 min., sd. b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 3)
Order no. OE 227.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up the job; align workpiece square with spindle; make a rough-facing cut; and a finish-facing cut.

Buy from NF.

Contour face milling (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

30 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 3)
Order no. OE 227–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Contract negotiation techniques (*Motion picture*) U. S. Dept. of the Air Force, 1958.
30 min., sd., b&w, 16 mm.
Order no. TF 1-5223.
Summary: Demonstrates both correct and incorrect techniques for conducting contract negotiations with representatives of industry, and stresses the importance of the procurement team's need for advance study and data.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Control cables series
see Aircraft work series. Control cables

Control of air pollution (*Motion picture*) U. S. Public Health Service, 1962.

5 min., sd., color, 16 mm.
Order no. MIS 676
Summary: Relates the modern, technological way of life to air pollution. Stresses the need for expanded research and control efforts.

Borrow from PHS. *Buy from* NF.

Control of hemorrhage (*Motion picture*) U. S. Dept. of the Army, 1958.
20 min., sd., color, 16 mm.
Order no. TF 8-2539.
Summary: Discusses the major types of hemorrhage and the principles and methods of hemorrhage control. Reviews the anatomy and physiology of the circulatory system and describes symptoms of external and internal arterial and venous bleeding.
Borrow from Army.

Control of louse-borne diseases (*Motion picture*) U. S. War Dept., 1946.
15 min., sd., b&w, 16 mm.
Order no. TF 8-1467.
Summary: Shows the control of louse-borne diseases through personal and barracks sanitation and the use of DDT and other insecticides.
Borrow from Army.

Control of mosquito-borne diseases (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., b&w, 16 mm.
Order no. TF 8-1495.
Summary: Shows the efforts and cooperation of Army, Navy, and Air Force research personnel, laboratory technicians, and doctors to control and eradicate malaria, dengue, brain fever, and filariasis.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Convalescent care and rehabilitation of patients with injury to the spinal cord (*Motion picture*) U. S. War Dept., 1946.
41 min., sd., color, 16 mm.
Order no. PMF 5015.
Summary: Pictures diagnostic, surgical, nursing, and physical medicine techniques used in the care of convalescent patients with injuries to the spinal cord. For medical personnel.
Borrow from Army.

Conventional signs
see
Topographic symbols

Conversion from black oil to Diesel fuel: Navy improved method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
24 min., sd., b&w, 16 mm. (Navy tank cleaning procedures series)
Order no. MN 6689-b.
Summary: Procedures to be followed in conversion of a tanker from black oil to Diesel fuel cargo.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Conversion from black oil to gasoline: Navy chemical method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
27 min., sd., b&w, 16 mm. (Navy tank cleaning procedures series)
Order no. MN 6689-c.
Summary: Shows how a complete conversion from black oil to gasoline cargo involves maintenance tank cleaning by the Butterworth method, the Navy improved method, and the Navy chemical method. Gives detailed instructions concerning the technical method.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Cooking fresh vegetables for the school lunch (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
27 double fr., color, 35 mm.
Order no. C-23.
With lecture notes.
Summary: Shows methods of cooking vegetables by boiling, steaming, and backing. Prepared for the training of school lunch workers.
Buy from PhotoLab.

Cooking good meals (*Filmstrip*) U. S. Public Health Service, 1950.
48 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 8)
Order no. 5-148.
Summary: Demonstrates various ways of preparing foods for the diabetic and his family.

Borrow from PHS. *Buy from* NF.

Cooking outfit for small detachments (*Motion picture*) U. S. Dept. of the Army, 1961.

22 min., sd., b&w, 16 mm.
Order no. TF 10-3119
Summary: Describes the features, use, and operation of a cooking outfit designed to cook rations for 15 to 40 men.

Borrow from Army.

Cooking poultry, older birds (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
38 fr., b&w, 35 mm.
Order no. 561.
With lecture notes.
Summary: Shows steps in braising, casseroling, steaming, and stewing older birds; gives suggestions for typical dishes.
Buy from PhotoLab.

Cooking poultry, young birds (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
51 fr., b&w, 35 mm.
Order no. 560.
With lecture notes.
Summary: Shows steps in broiling, pan frying, French frying, and roasting young birds.
Buy from PhotoLab.

Cooling system (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
58 fr., b&w, 35 mm.
Order no. SCG 154-1, formerly SG 1763.
Summary: Explains the use of water jackets and a circulating pump to cool a modern engine.

Buy from NF.

The cooling system and fuel system (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
22 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 4)
Order no. OE 464.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check for leaks in the cooling system; check the fan and water pump; mechanical operation of the carburetor; filters and vents; fuel pump; and leakage in the fuel system.

Buy from NF.

The cooling system and fuel system (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
44 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 4)
Order no. OE 464–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Cooper Bessemer diesel engine maintenance series
see
Bearing disassembly and inspection
Bearing reassembly
Disassembly, part 1
Disassembly, part 2
Engine reassembly, part 1
Engine reassembly, part 2
Engine reassembly, part 3

Cooper Bessemer diesel engine maintenance series.
Bench work
see
Cylinder head
Cylinder head and piston
Inspection of piston
Reassembly of cylinder head
Reassembly of piston

Cooper Bessemer diesel engine maintenance series.
Fuel system
see
Fuel pump disassembly
Fuel pump reconditioning and reassembly
Injector block reconditioning and reassembly
Injector block removal and disassembly
Injector block replacement and timing

Cooperative wool: From fleece to fabric (*Motion picture*) U. S. Dept. of Agriculture, 1941.
30 min., sd., b&w, 16 mm.
Revision of the 1938 film of the same title.
Summary: Shows how cooperative marketing associations of wool growers handle and market wool for their members; and follows the course of wool from sheep to market to factory to consumer.
Rent from DA Film Libraries. *Buy from* NF.

The copper network (*Motion picture*) U. S. Bureau of Mines, 1957. Made by Jam Handy Organization.
23 min., sd., color, 16 mm.
Summary: Reviews the mining, milling, and processing of copper into bars, and shows in detail the fabrication of copper wire. Explains the qualities, varieties, and uses of such wire.
Borrow from BM. *Cleared for tv.*

Copper, the oldest modern metal (*Motion picture*) Phelps Dodge Corp. in cooperation with U. S. Bureau of Mines. Made by Jamieson Film Co. Released by U. S. Bureau of Mines, 1962.
Order no. 256
28 min., sd., color, 16 mm.
Summary: Uses art work, animation, and live action to trace the story of copper production, showing the intricate procedures involved in mining, fabricating, and utilizing copper.
Credits: Production supervisor, A. Nicholas Vardac; producer and editor, Hugh Jamieson; art and animation, John Beasley, L. G. Sims; music, Tom Merriman; photographer, Robert Jessop.
Borrow from BM. *Buy through* BM. *Cleared for tv.*

The coppersmith: Flaring and reducing (*Motion picture*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2346–a.
Supplementary filmstrip of same title also available.
Summary: Shows how to flare and reduce small and large tubing, and techniques of annealing, bumping, cleaning, and finishing.
Borrow from Navy. *Buy from* NF.

The coppersmith: Flaring and reducing (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
43 fr., b&w, 35 mm. (Shipbuilding skills series)
Order no. SN 2346–m.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

The coppersmith: Working out branches from a line (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2346–b.
Supplementary filmstrip of same title also available.
Summary: Describes cutting, working out, and installation process; marking, cutting, raising of the cup to conform with the branch; tack-welding and fitting; and installation of a saddle branch
Borrow from Navy. *Buy from* NF.

The coppersmith: Working out branches from a line (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
63 fr., b&w, 35 mm. (Shipbuilding skills series)
Order no. SN 2346–n.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

Coppersmithing series
see Shipbuilding skills series. Coppersmithing

Coral Sea saga: Australia, twenty years later (*Motion picture*) U. S. Dept. of the Air Force. 1962.
15 min., sd., color, 16 mm.
Order no. FR 303
Summary: Pictures the Australians as they join with Americans in military ceremonies and festivities commemorating the battle of the Coral Sea. Includes an address by Gen. Emmett O'Donnell, Jr., PACAF Commander-in-Chief.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Corn (*Motion picture*) U. S. Dept. of Agriculture, 1953.
17 min., sd., color, 16 mm.
Summary: Explains the preparation of land for the planting of corn, planting and picking practices, problems of storage, and the control of insects.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Corn belt farmers fight erosion (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
43 fr., b&w, 35 mm.
Order no. 572.
With lecture notes.
Summary: How to check erosion by contour farming, terracing, rotation planting, diversion drainage, anu check dams.
Buy from PhotoLab.

O corpo humano (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

9 min., sd., color, 16 mm. (Saúde para as Américas)

Portuguese version of The human body.

Summary: Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Corporal (*Motion picture*) U. S. Dept. of the Army, 1960.

4 min., sd., color, 16 mm.

Order no. MF 45-9512.

Summary: Describes the features, capability, and test firing of the Corporal missile—a long range tactical missile for heavy fire support beyond the range of conventional artillery—and discusses the personnel equipment, and procedures involved in firing the missile. Includes scenes dealing with the organization of Corporal Battalion, the fueling of the missile, the missile checks, the checks on ground control equipment, the firing procedure, and the equipment used to record flight data.

Borrow from Army. *Cleared for tv.*

Corralling the Colorado (*Motion picture*) U. S. Bureau of Reclamation, 1951.

26 min., sd., b&w, 16 mm.

Summary: Reviews the history of deserts, droughts, and floods in the Southwest; and shows how Hoover, Davis, Parker, and Imperial Dams now control the Colorado River and provide irrigation and power to the people of the region.

Borrow from BR. *Buy from* NF. *Cleared for tv.*

Correcting the compass (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

47 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136-c, formerly SG 3883-c.

Summary: Shows how to correct the compass reading in order to determine the direction of both magnetic north and true south. Explains deviation and how it differs in amount and direction according to the location and course of the ship.

Buy from NF.

Correction of mandibular prognathism by vertical sliding osteotomy (*Motion picture*) U. S. Dept. of the Army, 1960.

29 min., sd., color, 16 mm.

Order no. PMF 5330.

Summary: Explains the clinical manifestations and surgical correction of mandibular prognathism by vertical sliding osteotomy. Salient teaching points cover: examination to determine whether surgery is feasible; preoperative orthodontic equilibration procedures; and surgical techniques and procedures.

Borrow from Army.

Corrosion (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

33 fr., b&w, 35 mm.

Order no. SN 646.

Summary: Explains methods used to prevent and to remove corrosion.

Borrow from Navy. *Buy from* NF.

Corroyage de surfaces inégales (*Motion picture*) U. S. Office of Education, 1951.

13 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 3)

Order no. OE 304-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Face planing uneven surfaces.

Buy from NF.

Corte de ranura al extremo de un eje terminado (*Motion picture*) U. S. Office of Education [1959?]

13 min., sd., b&w, 16 mm.

Order no. OE 19-Sp.

Spanish version of the 1941 motion picture entitled Cutting a keyway on end of a finished shaft.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Shows how to lay out a keyway on a shaft, set up a round shaft in a shaper vise, set ram stroke and speed, and cut a keyway.

Buy from NF.

Cortes en madera con la sierra mecanica (*Motion picture*) U. S. Office of Education [1959?]

19 min., sd., b&w, 16 mm.

Order no. OE 306-Sp.

Spanish version of the 1945 motion picture entitled Ripping and cross-cutting.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Shows how each working part of the variety saw functions. Demonstrates how to check saw blades, how to set the fence, how to change saw blades, how to use a cutoff gage, and how to use a hinged block in crosscutting.

Buy from NF.

The cost of an error (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (On-the-job supervision series, no. 1)

Order no. SFS 80-2.

Summary: Describes how an error on a routing sheet for an overseas shipment of material resulted in a delay causing unnecessary casualties and almost the loss of a battle.

Borrow from Army. *Buy from* NF.

Cotton—fiber with a future (*Motion picture*) U. S. Dept. of Agriculture, 1959.

14 min., sd., color, 16 mm.

Summary: Describes the latest developments in scientific research to make cotton an increasingly desirable and economical product, and tells the story of modern cotton-growing, harvesting, ginning, and processing.

Buy or rent from DA Film Libraries. Buy from NF. Cleared for tv.

Cotton warehousing (*Motion picture*) U. S. Dept. of Agriculture, 1961.

20 min., sd., color, 16 mm.

Summary: Illustrates new labor-saving and money-saving types of equipment used to handle cotton bales in warehousing operations—loading and unloading trucks and rail cars; moving into and out of warehouses; and weighing and stacking. Shows equipment best suited for handling from two up to twenty bales and describes new facilities to accommodate this equipment.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Counselor in uniform (*Motion picture*) U. S. Dept. of the Air Force, 1961.

20 min., sd., b&w, 16 mm.

Order no. SFP 1064

Summary: Portrays the role of the Air Force Judge Advocate in protecting the constitutional and statutory rights of Air Force personnel in the States and abroad; in providing legal assistance and counseling services for personnel involved in criminal lawsuits; and in protecting any Air Force interests in matters of contracts, patents, copyrights, etc.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Count down (*Motion picture*) U. S. Dept. of the Air Force, 1957.

27 min., sd., color, 16 mm.

Order no. SFP 380.

Summary: Explains the careful planning and extensive preparations necessary to launch a guided missile on a test flight at the Air Force Missile Test Center, Patrick AFB, Florida.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Countdown at White Sands (*Motion picture*) U. S. Dept. of the Army, 1960.

25 min., sd., color, 16 mm.

Order no. MF 45–9510.

Summary: Describes the organization, function, and facilities of the Integrated Range Mission (IRM) at the White Sands Missile Range, New Mexico, and shows how it provides range support to the three services for missile testing. Depicts the IRM equipment and the activities involved in missile testing and development, including optical and electronic instrumentation, instrumentation research and development, central timing, range signal services, air support, missile test scheduling, processing and reduction of missile test data, and missile recovery after firing. Shows the actual countdown and firing of a Nike Hercules missile to demonstrate the services provided by the IRM.

Borrow from Army *Cleared for tv.*

Countersinking, counterboring, and spotfacing (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 2)

Order no. OE 48.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to drill holes in steel and cast iron; countersink holes in steel; counterbore holes in cast iron; and spotface holes in cast iron.

Buy from NF.

Countersinking, counterboring, and spotfacing (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

49 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 2)

Order no. OE 48–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The county agent (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm. (Ohio town series)

Summary: Shows some of the activities of a county agent and his services to farmers—giving advice on soil conservation, helping plan a new barn, etc.

Buy from NF.

The county agent (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

64 fr., b&w, 35 mm.

Order no. 654.

With lecture notes.

Summary: Describes briefly the agricultural background, activities, influence, and role of the county agent as a rural leader.

Buy from PhotoLab.

County government (*Motion picture*) U. S. Dept. of State, 1949. Made by Pictorial Research. Released for educational use in the United States through U. S. Office of Education, 1950.

28 min., sd., b&w, 16 mm.

Summary: Explains the system of county government in the United States as illustrated by Westchester County, N. Y.; its legislative, executive, and judicial functions; and its relationships to the state and federal governments. Prepared for overseas use.

Buy from NF.

Coupe de tenons et de segments (*Motion picture*) U. S. Office of Education, 1951.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie combinée, no 3)

Order no. OE 308–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Cutting tenons and segments.

Buy from NF.

Covering hot and cold pipes (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipe insulation, no. 1)

Order no. OE 109.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Materials used to insulate hot and cold pipes; how to insulate straight pipe; cover coupling, bend, elbow, valve, and flange; and insulate cold pipes.

Buy from NF.

Covering hot and cold pipes (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

54 fr., b&w, 35 mm. (Shipbuilding skills series. Pipe insulation, no. 1)

Order no. OE 109–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Crane operations: Floating cranes (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by MPO Productions.

16 min., sd., b&w, 16 mm.

Order no. MN 8076–a.

Summary: Gives basic rules for operating the floating crane efficiently. Shows proper positioning and tieing, securing the load to the hook, proper methods in hoisting heavy loads, safety precautions, rotating problems, landing the load, and operating the crane by using combined operations.

Borrow from Navy. *Buy from* NF.

Crane operations: Safety precautions (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by M. P. O. Productions.

14 min., sd., b&w, 16 mm.

Order no. MN 8076–b.

Summary: Shows procedures and rules to be followed in the safe operation of mobile cranes.

Borrow from Navy. *Buy from* NF.

Crane shovel unit, Bucyrus Erie, crawler mounted; adjustment of main operating clutches and brakes (*Motion picture*) U. S. Dept. of the Army, 1957.

6 min., sd. b&w, 16 mm.

Order no. TF 5–2351.

Summary: Shows how to adjust the main operating clutches and brakes of the Bucyrus Erie crane shovel unit, crawler mounted; specifically, adjustment of "slipping" clutches, depicting adjustment of clutch lever, bolt and guide screws, and clutch band. Explains adjustment of the hoist and crowd brakes, including the brake adjusting nut; locking the brake down; and adjusting the brake band.

Borrow from Army.

Crash impact survival in light airplanes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

18 min., sd., color, 16 mm.

Order no. TF 28.

Summary: Shows the results of full-scale light-airplane crashes simulating stall-spin accidents, conducted to determine the decelerations to which occupants are exposed and the harness forces encountered in this type of accident, at impact speeds from 42 to 60 mph. Points out that the airplanes used are of the familiar steel-tube, fabric-covered, tandem, two-seat type. For technical personnel to be used with NACA Technical note 2991: Accelerations and passenger harness loads measured in full-scale light-airplane crashes.

Borrow from NASA.

The crawl stroke (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

8 min., sd., b&w, 16 mm.

Order no. MCG 115–j, formerly MG 2037.

Summary: Demonstrates the kick and the arm movement employed in the crawl stroke, and how they are combined.

Buy from NF.

Creative leisure (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

Summary: Shows how some Americans spend their leisure in pursuit of the arts. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Creativity (*Motion picture*) U. S. Dept. of Agriculture, 1958.

10 min., sd., color, 16 mm.

Summary: Presents in narrative form, against a background of prismatic color patterns and nature scenes from our national parks, forests, and volcanic areas, the story of man's capacity, from Genesis until the present, to conceive, imagine, and create.

Rent from DA Film Libraries. *Cleared for tv.*

Crevasse location and mapping (*Motion picture*) U. S. Army Engineers, 1958.

20 min., sd., color, 16 mm.

Summary: Shows the method of detecting crevasses by using a radiometer for determining infrared radiation over snow surfaces.

Borrow from Eng. *Cleared for tv.*

Crew boss (*Motion picture*) U. S. Dept. of Agriculture, 1962.

35 min., sd., color, 16 mm.

Summary: A dramatization about a crew boss and a project crew on their first shift on a fire line. Describes a good fire camp, fire line practice, and the characteristics of a good supervisor.

Borrow from DA. *Buy from* DA-MPS.

Cricothyroidotomy (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.

11 min., sd., color, 16 mm.

Order no. MN 7469.

Summary: Shows by live action and animation the procedure for temporary relief of an obstruction in the air passage of a wounded man by the performance of a cricothyroidotomy.

Borrow from Navy. *Buy from* NF.

The crime of Korea (*Motion picture*) U. S. Dept. of Defense, 1950.

15 min., sd., b&w, 16 mm.

Order no. AFSR 125.

Summary: A war correspondent's reports on Korea after its liberation from Japan in 1945, and after the Communist destruction and devastation of the country and its people in 1950.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The critical period

see American history I, lecture 6: The critical period; the Articles of confederation to the Constitution

Crop reports help farmers face the facts (*Motion picture*) U. S. Dept. of Agriculture, 1956.

4 min., sd., b&w, 16 mm.

Summary: Explains how crop reports are combined into State and National totals for the guidance of farmers and ranchers in selling their products. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

The crop that never fails (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Treasury, 1946.

7 min., sd., b&w, 16 mm.

Summary: Explains how the regular purchase of U. S. savings bonds gives farmers protection against future hard times—floods, drought, dust, disease, grasshoppers, inflation, and depression.

Rent from DA Film Libraries. *Buy from* NF.

Crops of the Americas (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

41 fr., b&w, 35 mm.

Order no. 684.

With lecture notes.

Summary: Shows the wide variety of products of South and Central America imported into the United States.

Buy from PhotoLab.

Crops of the Americas (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

44 double fr., color, 35 mm.

Order no. C-7.

Revision of b&w version released in 1948 under the same title.

With lecture notes.

Buy from PhotoLab.

Crossing at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Rules of the nautical road series)

Order no. MN 202-u.

Summary: Defines the meaning of crossing in relation to a ship's bearing and presents several examples of ships crossing, the exchange of signals, and the resultant action of each ship.

Borrow from Navy. *Buy from* NF.

Crossing steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

15 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-r.

Summary: Explains whistle signals and rules for crossing in international and inland waters.

Borrow from Navy. *Buy from* NF.

Crossover (*Motion picture*) U. S. Dept. of the Air Force, 1963.

14 min., sd., color, 16 mm.

Order no. SFP 1151

Summary: A tour of South America by the Air Force Thunderbirds.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Cruising the northern seas (*Motion picture*) U. S. Dept. of the Navy, 1953.

11 min., sd., color, 16 mm.

Order no. MN 7439.

Summary: A pictorial record of the 1950-51 winter icebreaker operations conducted by the USS Burton Island in the Bering Seas. Shows various phases of ice-breaking and helicopter ice reconnaissance techniques.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

La cuchilla de punta (*Motion picture*) U. S. Office of Education [1959?]

12 min., sd., b&w, 16 mm.

Order no. OE 43-Sp.

Spanish version of the 1942 motion picture entitled Fundamentals of end cutting tools.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Illustrates the radius, threading, sheer-cut finishing, round-nosed finishing, and side-facing of end cutting tools; discusses the correct setting of the tools; and describes the type of cut each tool makes.

Buy from NF.

La cuchilla lateral (*Motion picture*) U. S. Office of Education [1959?]

11 min., sd., b&w, 16 mm.

Order no. OE 42-Sp.

Spanish version of the 1942 motion picture entitled Fundamentals of side cutting tools.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Shows how side cutting tools are shaped and how they cut, and explains how generated heat is dissipated.

Buy from NF.

El cuerpo humano (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

9 min., sd., color, 16 mm. (Salud para las Américas)

Spanish version of The human body.

Summary: Explains the importance of the human body: shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Cuidado de la madre (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

11 min., sd., color, 16 mm.

Spanish version of Wise parents, healthy babies.

Summary: Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

Buy from NF. *Cleared for tv.*

El cuidado del niño (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Salud para las Américas)

Spanish version of Infant care.

Summary: Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Cuide su tractor (*Motion picture*) U. S. Office of Education [1959?]

22 min., sd., b&w, 16 mm.

Order no. OE 454–Sp.

Spanish version of the 1944 motion picture entitled Care of a tractor.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Discusses the day-by-day operating care of a tractor and the importance of periodic inspections. Shows the parts of the tractor, including the cooling system, the fuel system, and the ignition system.

Buy from NF.

Cull for profit (*Motion picture*) U. S. Dept. of Agriculture in cooperation with Texas Agricultural Extension Service, 1951.

9 min., sd., color, 16 mm.

Summary: Shows the times when it is economical and convenient to cull low producing poultry birds, and describes the physical characteristics to look for in determining which birds to unload and which ones to keep.

Rent from DA film libraries. *Cleared for tv.*

Cummings City: Military assistance in civil disaster (*Motion picture*) U. S. Dept. of Defense, 1958.

35 min., sd., b&w, 16 mm.

Order no. AFIF 89.

Summary: Describes the assistance given by the armed services when natural disasters strike civilian communities in continental United States, using a hypothetical town, Cummings City.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Cummington story (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

22 min., sd., b&w, 16 mm. (American scene series, no. 14)

Summary: Portrays the experiences of a refugee family in a New England town, their diffidence as newcomers, and their later acceptance into the life of the community.

Buy from NF.

Curing pork country style (*Motion picture*) U. S. Dept. of Agriculture, 1945.

18 min., sd., b&w with color sequences, 16 mm.

Summary: Shows how to cure pork by the "dry" and "brine" methods; and gives instructions on the preparation, smoking, cooling, wrapping, and storage of meat.

Rent from DA film libraries.

Current and electromotive force (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

11 min., sd., b&w, 16 mm. (Radio technician training series. Elementary electricity)

Order no. MN 1540–t.

Supplementary filmstrip of same title also available.

Summary: Explains electron theory, the arrangement of molecules, building up of current, conductors, electromotive force, resistance, and chemical and mechanical sources of electromotive force.

Borrow from Navy. *Buy from* NF.

Current and electromotive force (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

38 fr., b&w, 35 mm. (Radio technician training series. Elementary electricity)

Order no. SN 1540–at.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Current flow, what it is (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

4 min., sd., b&w, 16 mm. (Basic electricity series)

Order no. MN 8016–c.

Summary: Shows that electrons move in chain reactions due to repulsion between electrons and attraction between electrons and positive atoms; that in a wire when an electron moves at one point an electron moves at every other point; and that the amount of current depends upon a number of electrons per second moving past a point.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Curtiss electric propeller disassembly. Part 1: Power unit (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

70 fr., b&w, 35 mm.

Order no. FS 1–266.

Summary: Shows step-by-step process of disassembling the power unit of the standard-type Curtiss electric propeller.

Borrow from AF.

Curtiss electric propeller disassembly. Part 2: Hub and blades (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

50 fr., b&w, 35 mm.

Order no. FS 1–289.

Summary: Shows the step-by-step process of disassembling the hub and blades of the Curtiss electric propeller (standard unit)

Borrow from AF.

Cutaneous infections (*Filmstrip*) U. S. Public Health Service, 1951.

16 double fr., color, 35 mm (The histopathology of human fungus infections)

Order no. F 13–b.

Summary: Depicts morphological characteristics of tissue phases of fungi with particular reference to tinea capitis, ectothrix infection; tinea capitis, endothrix infection; and tinea corporis. Consists of pictures which may be used for making 2 x 2-inch slides.

Borrow from PHS.

Cutting a dovetail taper slide (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
26 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 2)
Order no. OE 73.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to machine a dovetail taper slide on the vertical milling machine; use a rotary table in milling a taper; and mill to layout lines.
Buy from NF.

Cutting a dovetail taper slide (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
38 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 2)
Order no. OE 73–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Cutting a forequarter of beef (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm. (The Army cook series, no. 3)
Order no. TF 10–1135.
Summary: Demonstrates how to trim, bone, and separate a forequarter of beef into cuts for steaks, roasts and stews, and how to use each cut to the best advantage.
Borrow from Army. *Buy from* NF.

Cutting a hindquarter of beef (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm. (The Army cook series, no. 2)
Order no. TF 10–1134.
Summary: Shows the bone structure of a hindquarter of beef; and demonstrates how to trim, bone, and separate it into various cuts.
Borrow from Army. *Buy from* NF.

Cutting a keyway on end of a finished shaft (*Motion picture*) U. S. Office of Education, 1941. Made by Emerson Yorke Studio.
13 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the shaper, no. 1)
Order no. OE 19
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to lay out a keyway on a shaft; set up a round shaft in a shaper vise; set ram stroke and speed; and cut a keyway.
Buy from NF.

Cutting a keyway on end of a finished shaft (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
42 fr., b&w, 35 mm. (Machine shop work series. Operations on the shaper, no. 1)
Order no. OE 19–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Cutting a keyway on end of a finished shaft
see also
Corte de ranura al extremo de un eje terminado

Cutting a round end keyway (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 3)
Order no. OE 74.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to cut a round end keyway in a steel shaft; align the spindle and workpiece by using a test bar; use a two-lip end mill to sink a hole in solid stock; set trip dogs and table stops; and check the finished dimensions of a round end keyway.
Buy from NF.

Cutting a round end keyway (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
32 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 3)
Order no. OE 74–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Cutting a short rack (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 6)
Order no. OE 208.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set up and align the workpiece on a milling machine table; position table and workpiece in relation to the cutter; and rough- and finish-mill the workpiece.
Buy from NF.

Cutting a short rack (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
36 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 6)
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Cutting a taper with the compound rest and with a taper attachment (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.
11 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 3)
Order no. OE 8.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set the compound rest; machine a steep taper; set the taper attachment; machine a small taper; and use a taper plug gage.
Buy from NF.

Cutting a taper with the compound rest and with a taper attachment (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 3)
Order no. OE 8–fs.
Supplements the motion picture of the same title.
With instructor's manual.
Buy from NF.

Cutting an external acme thread (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 7)
Order no. OE 45.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to cut threads with and without using the threading dial; finish-machine the threads to size; and check thread size with a thread gage.
Buy from NF.

Cutting an external acme thread (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.
63 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 7)
Order no. OE 45–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Cutting an external national fine thread (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

12 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 5)

Order no. OE 10.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Basic forms of screw threads; characteristics of the National fine thread; how to set lathe gears to cut threads of a given pitch; set depths of cuts; and use the threading dial.

Buy from NF.

Cutting an external national fine thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

44 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 5)

Order no. OE 10-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting an internal acme thread (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 8)

Order no. OE 56.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up the lathe and cut an internal right-hand Acme thread; grind and check the stocking and forming tools; and gage the finished threads.

Buy from NF.

Cutting an internal acme thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

38 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 8)

Order no. OE 56–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting an internal taper pipe thread (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 9)

Order no. OE 57.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use a taper attachment; bore a tapered hole to gage size for threading; thread a tapered hole to fit a gage; and check pipe threads with a taper thread plug gage.

Buy from NF.

Cutting an internal taper pipe thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

35 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 9)

Order no. OE 57–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting and boning a forequarter of beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

19 min., sd., b&w, 16 mm. (Farm work series. Meat cutting, no. 1)

Order no. OE 456.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to chill beef; quarter it; trim the forequarter; cut wing, crosscut chuck, brisket, and chuck; and prepare meat for freezing or canning.

Buy from NF.

Cutting and boning a forequarter of beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

50 fr., b&w, 35 mm. (Farm work series. Meat cutting, no. 1)

Order no. OE 456–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting and boning a forequarter of beef
see also
Découpage et désossement d'un quartier avant de
boeuf

Cutting and boning a hindquarter of beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Farm work series. Meat cutting, no. 2)

Order no. OE 457.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to separate the round from loin and rump; cut the round; remove the tenderloin; separate sirloin and rump from shell loin; and prepare meat for freezing or canning.

Buy from NF.

Cutting and boning a hindquarter of beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

49 fr., b&w, 35 mm. (Farm work series. Meat cutting, no. 2)

Order no. OE 457–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting and boning a hindquarter of beef
see also
Découpage et désossement d'un quartier
arrière de boeuf

Cutting and threading pipe by hand (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 2)

Order no. OE 106.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use pipe cutter and pipe reamer; select and insert proper dies in stock; thread pipe by hand; test threads for fit; prepare fitted pipe for delivery; and care for tools.

Buy from NF.

Cutting and threading pipe by hand (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

47 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 2)

Order no. OE 106–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting and threading pipe on a power machine (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 3)

Order no. OE 107.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to measure and cut pipe for fittings; ream pipe which has been cut; and thread pipe by machine.

Buy from NF.

Cutting and threading pipe on a power machine (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

48 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 3)

Order no. OE 107–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting cove molding and a corebox (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the variety saw, no. 4)

Order no. OE 311.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to select stock for cove molding; cut and rip cove molding; select the proper blade for oblique cutting; and cut a deep hollow.

Buy from NF.

Cutting cove molding and a corebox (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

41 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 4)

Order no. OE 311–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting cove molding and a corebox
see also
Sciage d'une gorge et d'une boîte à noyaux

Cutting grooves with circular saw blades (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

22 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the spindle shaper, no. 3)

Order no. OE 320.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up the machine to cut grooves; cut grooves in stiles and rails; cut grooves for splines; and cut stop channels in mirror frame members

Buy from NF.

Cutting grooves with circular saw blades (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

56 fr., b&w, 35 mm. (Precision wood machining series. Operations on the spindle shaper, no. 3)

Order no. OE 320–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting keyways (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 1)

Order no. OE 12.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up a shaft on the table of the milling machine for cutting a keyway at each end; select the proper cutter; determine the correct speed and feed; set the machine for the proper depth and length of cut; and mill keyways to specified dimensions.

Buy from NF.

Cutting keyways (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

42 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 1)

Order no. OE 12–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting teeth on a worm gear (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 9)

Order no. OE 211.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set dividing head for specified indexing; position workpiece for gashing; gash the teeth on the workpiece; position workpiece under dead center of hob; mesh gashed gear with hob; and hob the teeth.

Buy from NF.

Cutting teeth on a worm gear (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

40 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 9)

Order no. OE 211–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting tenons and segments (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

15 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the variety saw, no. 3)

Order no. OE 308.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to lay out and cut a tenon; set up the equipment to make shoulder and check cuts; prepare a jig to trim and miter segments; and guide the jig, using a sliding miter gage.

Buy from NF.

Cutting tenons and segments (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

32 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 3)

Order no. OE 308–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting tenons and segments
see also
Coupe de tenons et de segments

Cutting threads with taps and dies (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

19 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 1)

Order no. OE 34.

Supplemented by filmstrip of same title.

With instructor's manual.

Summary: Principles of cutting threads with taps and dies; tapping full threads in a blind hole; tapping through holes; and cutting threads with an adjustable die.

Buy from NF.

Cutting threads with taps and dies (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

48 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 1)

Order no. OE 34–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting with carbide tools. Part 1: Single point (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

19 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 4)

Order no. OE 244.

Supplemented by filmstrip with the same title.

With instructor's manual.

Summary: How to machine a steel forging on an engine lathe, using a single-point carbide tool.

Buy from NF.

Cutting with carbide tools. Part 1: Single point (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

40 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 4)

Order no. OE 244–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Cutting with carbide tools. Part 2: Milling cutters (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

15 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 5)
Order no. OE 245.
Supplemented by filmstrip of same title.
With instructor's manual.
Summary: How to face-mill a steel forging with a carbide milling cutter.
Buy from NF.

Cutting with carbide tools. Part 2: Milling cutters (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

34 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 5)
Order no. OE 245–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Cycloidal and hydraulic jet propulsion (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

11 min., sd., b&w, 16 mm.
Order no. FB 55–236.
Summary: Explains the principles and uses of cycloidal propelled and hydraulic propelled vessels; and contrasts cycloidal propelled and hydraulic (jet) propelled vessels with conventional single-screw type craft.
Borrow from Army.

Cylinder and piston assemblies (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

32 fr., b&w, 35 mm.
Order no. FS 1–27.
Summary: Explains the function, construction, and operation of air-cooled and liquid-cooled cylinder assemblies, valves, and valve-operating mechanisms.
Borrow from AF. *Buy from* NF.

Cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 4)
Order no. MN 2364–h.
Summary: Demonstrates how to inspect and recondition the cylinder head.
Borrow from Navy. *Buy from* NF.

Cylinder head and piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 1)
Order no. MN 2364–e.
Summary: Shows how to disassemble the cylinder head and piston; inspect the cover frame; check rocker arms; remove valves and crossheads, wedging piston, piston pin bolts, connecting rod, piston pin caps, and piston pin.
Borrow from Navy. *Buy from* NF.

Cylinder head removal (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Disassembly)
Order no. MN 3706–a.
Summary: How to remove piston oil cooling tubes, cylinder head covers, test valve, rocker arm assemblies, fuel lines, injector linkage, injectors, and cylinder head.
Borrow from Navy. *Buy from* NF.

D

D. C. motor. Part 1: Mechanical overhaul (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

20 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 1)
Order no. OE 392.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to test for electrical and mechanical faults; dismantle D. C. motor; turn the commutator; repair and replace field coils; assemble the motor; and adjust and make final tests.
Buy from NF.

D. C. motor. Part 1: Mechanical overhaul (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

37 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 1)
Order no. OE 392–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

D. C. motor. Part 2: Rewinding (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

37 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 2)
Odrer no. OE 393.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to dismantle and clean an armature core; determine commutator pitch; reinsulate the core; insert coils; band an armature; shape coil ends; lay in and solder leads; balance and impregnate the armature; and turn a commutator.
Buy from NF.

D. C. motor. Part 2: Rewinding (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

43 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 2)
Order no. OE 393–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

DDT in the control of household insects (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm.
Order no. TF 8–1468.
Summary: Shows methods of using DDT to kill houseflies, cockroaches, and bedbugs.
Borrow from Army. *Buy from* NF.

D-day convoy (*Motion picture*) U. S. Dept. of the Army, 1948.

19 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HB–B–15.
Summary: Postwar recapitulation of activities prior to and including D-day, showing how American troops were moved from all parts of England to embarkation posts for the Normandy invasion.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

D-day minus one (*Motion picture*) U. S. Army Air Forces, 1945.
16 min., sd., b&w, 16 mm.
Order no. SFP 158–a.
Summary: A record of the operations of the U. S. 82nd and 101st Airborne Divisions in the 1944 invasion of France, and of paratroops, gliders, and troop carriers landing in France a day prior to the main invasion.
Borrow from AF. *Buy from* NF.

DEW line (*Motion picture*) U. S. Dept. of the Air Force, 1957.
56 min., sd., color, 16 mm.
Order no. SFP 570.
Summary: Presents the story of the DEW line, a network of radar outposts, and explains the necessity of this Distant Early Warning System to protect America from sudden air attack. Shows contributions of Army and Navy units, industry, the Canadian Government, and the Royal Air Force in carrying out this project.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

D–Z Normandy: Employment of troop carrier forces (*Motion picture*) U. S. Army Air Forces, 1944.
95 min., sd., b&w, 16 mm.
Order no. TF 1–3711.
Summary: Shows how the Ninth Troop Carrier Command carried out an airborne assault on continental Europe, and describes the training of personnel, planning of the operation, the operation itself, and the completion of the mission as the Ninth Troop Carrier Command enters Carentan.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

The daily enemy (*Motion picture*) U. S. Dept. of the Army, 1960.
14 min., sd., color, 16 mm.
Order no. MF 30–9257
Summary: Shows how loyal, conscientious personnel working on classified defense contracts may jeopardize security by carelessness. Portrays typical situations in and out of plants to illustrate some of the more common breaches of security caused by unnecessary conversations and thoughtless handling of classified material.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Dairy Herd Improvement Association, identification and permanent record program (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
38 fr., b&w, 35 mm.
Order no. 554.
With lecture notes.
Summary: Explains the identification markings employed by the association; methods of eartagging; and the keeping of identification and production records.
Buy from PhotoLab.

The Dalles Dam (*Motion picture*) U. S. Army Engineers, 1956.
29 min., sd., color, 16 mm.
Summary: Presents the engineering record of construction on a large multiple-purpose project. Shows progress from the project's inception to approximately March, 1955, including the initial phases of powerhouse, lock, and spillway excavation, and utility relocation. Explains the importance of this unit in the Corps of Engineers' multiple-purpose plan of development of the Columbia River.
Borrow from Eng. *Cleared for tv.*

Damage control: Civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.
21 min., sd., b&w, 16 mm.
Order no. MN 8387.
Summary: Provides information to civilian marine personnel on the importance of damage control as a safety-at-sea measure. Explains how individual crew members fit into the damage control organization of MSTS ships in service, and shows how practice through drills can develop skill, confidence, and readiness for emergencies.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Danger! Handle with care (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.
22 min., sd., b&w, 16 mm. (The home nursing story, no. 6)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses treatments using heat and cold, showing how to prepare and to use hot and cold applications.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

Danger: stacked deck (*Motion picture*) U. S. Dept. of the Navy, 1960.
20 min., sd., color, 16 mm.
Order no. FN 8900.
Summary: Emphasizes six rules that are basic to flight-deck safety aboard a large aircraft carrier underway at sea. Illustrates each rule being disregarded by flight deck personnel and portrays the consequences; shows why the safety rules should be observed.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Dangerous war trophies (*Motion picture*) U. S. Dept. of Defense, 1953.
12 min., sd., b&w, 16 mm.
Order no. AFIF 23.
Summary: Emphasizes and illustrates that rifles, grenades, shells, and other war trophies can be dangerous; and explains the procedures to follow in making such trophies harmless.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The David Taylor Model Basin, Carderock, Maryland (*Motion picture*) U. S. Dept. of the Navy, 1954.
12 min., sd., b&w, 16 mm.
Order no. MN 8095.
Summary: Presents the story of the men and science involved in the research, development, and testing of ship and aircraft designs for the U. S. Navy. Sequences feature a tour of three laboratories—hydromechanics, structural mechanics, and aerodynamics—including a high speed towing and turning basin almost ⅗ of a mile long, a circulating water channel, two variable pressure water tunnels, several wind tunnels, and two wave-making basins.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

David Taylor Model Basin story (*Motion picture*) U. S. Dept. of the Navy, 1957.
22 min., sd., b&w, 16 mm.
Order no. MN 8501.
Summary: Describes how the research and development facilities of the Model Basin are related to the support and operation of the U. S. Navy. Shows the steps used in testing the design of a new type of ship or plane, including the construction of scale models and the testing of the models in water basins and wind tunnels. Special emphasis is placed on the large wavemaker in the deep water basin, the transonic wind tunnel, and the UNIVAC computing system.
Borrow from Navy. *Buy from* NF.

A day at Federal Reserve Bank of Cleveland (*Motion picture*) Federal Reserve Bank of Cleveland, 1956.
20 min., sd., b&w, 16 mm.
Summary: Explains the functions and operations of the Federal Reserve Bank of Cleveland.
Borrow from FRB.

Day for decision (*Motion picture*) U. S. Veterans Administration, 1953.
15 min., sd., b&w, 16 mm.
Revision of 1947 film released under title Road to decision.
Summary: Explains to disabled veterans the purpose, function, and value of the vocational counseling services of the Veterans Administration.
Borrow from VA. *Cleared for tv.*

The day is new (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., b&w, 16 mm.
Summary: A day in Mexico City from dawn to dark; daily pursuits similar to those found in middle-class American city life.
Buy from NF.

Day of battle (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

10 min., sd., b&w, 16 mm.

Summary: Story of an aircraft carrier—how it was built and subsequently destroyed in a battle in the South Pacific.

Buy from NF.

The daybreak call (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., color, 16 mm.

Order no. SFP 1166

Summary: Depicts the role of the Civil Air Patrol in today's space age and outlines the career advantages which CAP has to offer young men and women. Shows how cadets are learning about aerospace medicine, missiles and rockets, inter-galactic space, and other subjects.

Borrow from AF. *Cleared for tv.*

Days of a tree (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1956.

28 min., sd., color, 16 mm.

Summary: A boy and his father on a fishing trip find the once clear streams now a mass of charred debris, and the area laid waste by repeated forest fires through the years. The father conducts a demonstration for his son to show the effects of fire and water upon the soil. Together they visit a State forest service station and learn of the fire prevention and control measures of State, private, and Federal conservation agencies.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Day's work of a navigator at sea (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

15 min., sd., b&w, 16 mm.

Order no. MN 6742–b.

Summary: Reviews the general duties of a navigator on a destroyer, including morning position, morning sun, time signal, noon sun, course changes, afternoon sun, evening stars, and night orders.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Day's work of a navigator in pilot waters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

13 min., sd., b&w, 16 mm.

Order no. MN 6742–c.

Summary: Reviews the general duties of a navigator on a destroyer, including working loran position, studying harbor charts and tide tables, operating fathometer, taking bearings, making soundings, and anchoring.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Dead out (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Southern States, 1948.

22 min., sd., color, 16 mm.

Summary: Dramatized story of a young Southern farmer who fails to make sure that his brush fires are "dead out" with the result that a strong wind fans a smoldering pile into flame and the fire destroys his house and buildings. Demonstrates correct ways of burning brush.

Rent from DA Film Libraries. *Buy from* NF.

Dead reckoning (*Filmstrip*) U. S. Navy Dept., 1942. Released through U. S. Civil Aeronautics Administration, 1946.

62 fr., b&w, 35 mm.

Order no. SN 804.

Summary: Explains the theory of dead reckoning and demonstrates its practical applications.

Borrow from Navy.

Dead reckoning: air (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

34 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83–j.

Summary: Shows ground track, air track, wind effect, correction angle, drift angle, establishment of wind direction and velocity by both grid method and drift method. College level.

Borrow from Navy. *Buy from* NF.

Dead reckoning instruments. Part 1: Driftmeters (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

56 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1–324.

Summary: Explains drift and its effect upon aircraft; and tells what driftmeters are and how they function.

Borrow from AF.

Dead reckoning: Plotting, and celestial lines of position (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

40 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83–g.

Summary: Explains the basic plan of the Mark 3 board, animating a small scale problem as it is worked out on the board; plots in geographic position and solution of wind problem. College level.

Borrow from Navy. *Buy from* NF.

Dear boss (*Motion picture*) U. S. Dept. of the Navy, 1952.

26 min., sd., b&w, 16 mm.

Order no. MN 7400.

Summary: Dramatized story of a small-town girl who joins the Waves and, in a letter to her former boss, tells of her experiences in "boot camp" and on her first assignment.

Borrow from Navy. *Cleared for tv.*

Debridement. Part 1: Multiple soft tissue wounds (*Motion picture*) U. S. Dept. of the Army, 1957.

29 min., sd., color, 16 mm.

Order no. PMF 5304.

Summary: Demonstrates the principles and techniques followed in achieving adequate debridement of war wounds, including adequate skin incision; minimal skin incision; incision of the fascia; excision of all devitalized tissue considering color changes, lack of contractility, change of consistency, and absence of bleeding when cut; excisions made over the long axis of the extremity; complete hemostasis; loose primary closure of deep structures; and placing dressings on the wounds. For medical personnel.

Borrow from Army. *Buy from* NF.

Debridement. Part 2: Wounds of the extremities (*Motion picture*) U. S. Dept. of the Army, 1956.

33 min., sd., color, 16 mm.

Order no. PMF 5305.

Summary: Describes the techniques used in effective debridement of soft tissue wounds and demonstrates through eight different wound cases at a hospital in Korea the methods used in cleaning wounds and removing devitalized tissue and other foci of infection.

Borrow from Army. *Buy from* NF.

Deck girders: Subassembly (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 5)

Order no. OE 28.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Use of transverse and longitudinal girders in hull structures; how to fit, weld, and rivet stiffening brackets to a transverse girder and to a longitudinal girder.

Buy from NF.

Deck girders: Subassembly (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.
44 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 5)
Order no. OE 28–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Deck plates: Regulating and setting (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 10)
Order no. OE 33.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mark off the centerline, frame lines, and buttock lines on deck girders; line up deck plates to the reference lines; fit square, scarfed, and V-type butt joints; and hold plates flush for welding.
Buy from NF.

Deck plates: Regulating and setting (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
38 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 10)
Order no. OE 33–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The deck: Setting a web frame and a transverse beam (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.
17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 6)
Order no. OE 29.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to square a web frame with the frame and buttock lines; shore up a transverse deck beam; and fair the transverse beam to the centerline and frame line of the deck.
Buy from NF.

The deck: Setting a web frame and a transverse beam (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
47 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 6)
Order no. OE 29–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Decompression sickness in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.
30 min., sd., color, 16 mm.
Order no. TF 1–8188.
Summary: Depicts the decompression sicknesses of flight which are caused by evolved and trapped gases; describes the factors which contribute to sickness; demonstrates what precautions can be taken to prevent decompression sickness, and what procedures should be employed to cure decompression sickness, including the use of compression chambers.
Borrow from AF.

Decortication in the treatment of tuberculous pleuritis (*Motion picture*) U. S. Dept. of the Army, 1952.
23 min., sd., color, 16 mm. (Thoracic surgery series)
Order no. PMF 5210.
Summary: Operative procedure for the decortication of the lung in the treatment of tuberculous pleuritis.
Borrow from Army.

Découpage et désossement d'un quartier arrière de boeuf (*Motion picture*) U. S. Office of Education, 1955.
17 min., sd., b&w, 16 mm. (Travail de la ferme. Découpage de la viande, no. 2)
Order no. OE 457–Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Cutting and boning a hindquarter of beef.
Summary: How to separate the round from loin and rump; cut the round; remove the tenderloin; separate sirloin and rump from shell loin; and prepare meat for freezing or canning.
Buy from NF.

Découpage et désossement d'un quartier avant de boeuf (*Motion picture*) U. S. Office of Education, 1955.
19 min., sd., b&w, 16 mm. (Travail de la ferme. Découpage de la viande, no. 1)
Order no. OE 456–Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Cutting and boning a forequarter of beef.
Summary: How to chill beef; quarter it; trim the forequarter; cut wing, crosscut chuck, brisket, and chuck; and prepare meat for freezing or canning.
Buy from NF.

Deep sea diving: Medical and physical background (*Motion picture*) U. S. Dept. of the Navy, 1944.
25 min., sd., color, 16 mm.
Order no. MN 105–a.
Summary: History of the diving suit; definition of terms; function of recompression chamber; effects of diving on respiratory system; cause of bends; saturation tests for nitrogen absorption.
Borrow from Navy. *Buy from* NF.

Deep sea diving: The diving dress (*Motion picture*) U. S. Dept. of the Navy, 1944.
48 min., si., b&w, 16 mm.
Order no. MN 105–b.
Summary: Shows characteristics of parts of the diving dress, preparation and inspection of suit for diving, duties of tenders, and how to avoid injury from underwater pressure.
Borrow from Navy. *Buy from* NF.

Deep sea diving: The technique of diving (*Motion picture*) U. S. Dept. of the Navy, 1944.
24 min., sd., b&w, 16 mm.
Order no. MN 105–c.
Summary: Points out the important factors of dress tenders, telephone line, descending line, and knowledge of the conditions of the dive. Demonstrates the dressing procedure, and the method of descending, depending on water temperature, visibility, and currents.
Borrow from Navy. *Buy from* NF.

Deep sea survival (*Motion picture*) U. S. Dept. of the Air Force, 1959.
27 min., sd., color, 16 mm.
Order no. TF 1–5252.
Summary: Portrays through dramatized incidents some of the conditions faced by a crew of airmen who are ditched in tropical water and survice 20 days on a raft before they are rescued.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Deep waters (*Motion picture*) U. S. Army Engineers, 1949.
21 min., sd., color, 16 mm.
Summary: Explains the importance of deep-water harbor channels through a portrayal and study of Hampton Roads.
Borrow from Eng. *Cleared for tv.*

Defensa contra la invasión
see La vacuna; o, Defensa contra la invasión

Defense against enemy propaganda (*Motion picture*) U. S. Dept. of the Army, 1957.
29 min., sd., b&w, 16 mm.
Order no. AIF 1.
Summary: Defines enemy propaganda, explains its aims, and shows how it is used to influence thought and action. Particular attention is given to means for combating such propaganda, and oral, written, and graphic samples are used to illustrate its nature.
Borrow from Army.

Defense against invasion (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
13 min., sd., color, 16 mm.
Summary: Animated cartoon. Explains how vaccination makes the body immune to certain diseases.
Buy from NF. *Cleared for tv. Prior authorization required.*

Defense against invasion
see also
Defesa contra invasão
La vacuna; o, Defensa contra la invasión

Defense of Antwerp against the V–1 (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
21 min., sd., b&w, 16 mm.
Order no. MF 9–1286.
Summary: Shows how Antwerp, liberated after four years of German occupation, was battered by the V–1 bomb, and how the port was saved by Allied gunners using a shifting defense strategy known as Antwerp X.
Borrow from Army. *Buy from* NF.

Defense procurement: Competitive negotiation (*Motion picture*) U. S. Dept. of the Army, 1960.
40 min., sd., b&w, 16 mm.
Order no. TF 38–2865.
Summary: Discusses the basic theory, regulations, and procedures related to defense procurement by negotiation.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Defense procurement: Contract administration (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., b&w, 16 mm.
Order no. TF 38–2866.
Summary: Discusses the principles and techniques of contract administration involved in Government purchasing activity, and reviews the two phases of Government procurement—pre-award and award phase, and contract administration. Shows the purpose, scope, and procedures of contract administration. Demonstrates the progress of a typical contract from the time of initial negotiation to final completion, including the pre-production conference, production stages, negotiations pursuant to an engineering change in the contract, and final price redetermination upon completion of contract.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Defense procurement: Formal advertising (*Motion picture*) U. S. Dept. of the Army, 1960.
43 min., sd., b&w, 16 mm.
Order no. TF 38–2864.
Summary: Discusses the principles, regulations, and procedures related to formal advertising.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Defensive driving: Tailgating, left turns, parked cars (*Motion picture*) U. S. Dept. of Agriculture, 1953.
13 min., sd., b&w, 16 mm.
Made from pictures in the 1952 filmstrip with the same title.
Summary: Defines defensive driving as defending oneself against the mistakes of other drivers and gives examples of what to do when a driver follows too closely, when making a left turn, and when passing parked cars. Prepared originally for use by Soil Conservation Service employees.
Rent from DA Film Libraries. *Buy from* NF.

Defensive driving: Tailgating, left turns, parked cars (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
65 double fr., b&w, 35 mm.
Order no. 700.
With lecture notes.
Summary: Defines defensive driving as defending oneself against the mistakes of other drivers and gives examples of what to do when a driver follows too closely, when making a left turn, and when passing parked cars. Prepared originally for use by Soil Conservation Service employees.
Buy from PhotoLab.

Defesa contra invasão (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
13 min., sd., color, 16 mm.
Portuguese version of Defense against invasion.
Summary: Explains how vaccination makes the body immune to certain diseases. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

Dégauchissage d'un champ pour le collage: Installation des couteaux (*Motion picture*) U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 4)
Order no. OE 306–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Jointing an edge for gluing: installing knives.
Buy from NF.

Dégauchissage des champs et extrémités d'équerre avec la face (*Motion picture*) U. S. Office of Education, 1951.
17 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 1)
Order no. OE 302–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Jointing edges and ends 90 degrees to face.
Buy from NF.

De-icer servicing and installation (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
80 fr., b&w, 35 mm.
Order no. SN 151.
Summary: Shows the principles of operation, installation, and servicing of the Goodrich de-icer.
Borrow from Navy.

De-icing equipment: Units and their functions (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
38 fr., b&w, 35 mm.
Order no. FS 1–208.
Summary: Shows how the de-icing mechanism works and the valves necessary for proper functioning of de-icer shoes.
Borrow from AF.

Demonstration of Cushing's experiment in the dog (*Motion picture*) U. S. Dept. of the Army, 1949.
14 min., sd., color, 16 mm.
Order no. PMF 5111.
Summary: Demonstrates the essential details to follow, in performing Cushing's experiment on the dog, to elicit respiratory and circulatory responses through the elevation of cerebrospinal fluid pressure. For medical personnel.
Borrow from Army.

Demonstrations in perception (*Motion picture*) U. S. Dept. of the Navy, 1951.
25 min., sd., b&w, 16 mm.
Order no. MN 7361.
Summary: Presents some of the demonstrations in use at Princeton University for research in perception.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Denison hydraulic pumps and motors, disassembly and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1961.

24 min., sd., b&w, 16 mm.

Order no. MN-8961.

Summary: Shows the procedure for disassembly and reassembly of the servo control, the hanger assembly, piston and cylinder assemblies, auxiliary package, main drive shaft, and valves in Denison hydraulic pumps and motors.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Dental activities, Walter Reed Army Medical Center (*Motion picture*) U. S. Dept. of the Army, 1953.

18 min., sd., color, 16 mm.

Order no. PMF 5229.

Summary: Gives an overview of the dental activities at Walter Reed Army Medical Center, including the dental services for hospital patients, research in the dental laboratory, and professional education in the Medical Service Graduate School.

Borrow from Army. *Buy from* NF.

Dental amalgam: Failure caused by moisture contamination (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1948.

13 min., sd., color, 16 mm.

Summary: Demonstrates contamination with moisture, one of the common causes of amalgam failure, usually produced by mixing amalgam in the palm of the hand and by condensing amalgam in a wet field. Explains the chemical reactions in and the clinical results of such contamination. Describes a satisfactory technique for the prevention of contamination. For dental personnel.

Borrow from NBS. *Buy from* NBS.

Dental assistant: a career of service (*Motion picture*) U. S. Public Health Service, 1962. Made by Potomac Films.

13 min., sd., color, 16 mm.

Order no. MIS 643.

Summary: Discusses the work and training of the dental assistant, explaining what the assistant does, how and where training is received, and what the future holds for a person choosing the profession of dental assistant.

Credits: Technical adviser, Leland E. Weyer.

Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Dental assistants, their effective utilization (*Motion picture*) U. S. Public Health Service, 1952. Made by De Frenes Co.

20 min., sd., color, 16 mm.

Summary: Shows how a dentist, through the use of trained assistants, can give better service to his patients and reduce his own fatigue.

Borrow from PHS. *Buy from* NF.

Dental burs in action (*Motion picture*) U. S. National Bureau of Standards, in cooperation with U. S. Air Force Dental Service, 1955.

10 min., sd., color, 16 mm.

Summary: Explains the ability of different types of dental burs to cut hard and soft tooth structures, the achievement of rapid cavity preparation with a minimum of discomfort to the patient, and the need for selection of the proper cutting instrument. For dental personnel.

Borrow from NBS. *Buy from* NBS.

Dental first aid (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1953.

20 min., sd., color, 16 mm.

Order no. MN 6723.

Summary: Shows a hospital corpsman, when a medical officer is not available, how to give simple dental first aid for simple tooth decay, inflamed pulp, root-end abscess, Vincent's infection, inflammation of the wisdom tooth area, and fractures of the jaw.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Dental health (*Motion picture*) U. S. Dept. of the Army, 1958.

17 min., sd., b&w, 16 mm.

Order no. TF 8-2579.

Summary: Defines the soldier's responsibility for good oral hygiene and the standards and procedures for dental health. Describes the causes, symptoms, and effects of unhealthy teeth.

Borrow from Army.

Dental materials: Specification and certification (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.

21 min., sd., color, 16 mm.

Summary: Describes the specification and certification program of the American Dental Association's research fellowship at the National Bureau of Standards. Explains the technical procedure used in the development of a specification, using silicate cement as an example. Intended to aid the dentist in a better understanding of the certification program of the American Dental Association.

Borrow from NBS. *Buy from* NBS.

Dental X-ray equipment: Alteration for modern radiation hygiene (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1959.

18 min., sd., color, 16 mm. (Radiation hygiene series, no. 1)

Summary: Shows how good diagnostic X-ray pictures may be produced with a minumum amount of radiation to dental patients; explains procedures by which the dentist can check his X-ray equipment for collimation and filtration of the useful beam, tube head leakage, and adequate length of the timer cord; and demonstrates how the dentist can use high-speed film with the same 80,000 X-ray machines currently available in dental offices.

Borrow from NBS. *Buy from* NBS.

Dentistry series
see
Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique

Dento-alveolar surgery series
see
Alveolectomy after multiple extraction of teeth
Alveolectomy and multiple pathology
Alveolectomy in extraction of isolated teeth
Excision of chronic periapical infections
Excision of gingival hypertrophy
Excision of mandibular tori
Removal of an impacted mandibular third molar by controlled sectioning

Denture resin (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1949.

18 min., sd., color, 16 mm.

Summary: Shows the effect of impurities, pressure, temperature, rate of curing, duration of curing, mold surfaces, and water content on the dimensional accuracy and stability of dentures made from acrylic resins. Demonstrates denture-processing techniques. For dental personnel.

Borrow from NBS. *Buy from* NBS.

Dependence of quantities
see Beginning algebra I, lecture 5: Dependence of quantities

Derivation of Pascal's law, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

16 min., sd., b&w, 16 mm. (Elementary hyraulics series)

Order no. MN 1730-a.

Summary: Stresses the importance of hydraulic power aboard ship; demonstrates that oil is lighter than water; explains density, pressure, and force and how to determine each in a given amount of fluid.

Borrow from Navy. *Buy from* NF.

Derivation of Pascal's law, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.
18 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1730-b.
Summary: Demonstrates that liquids transfer force equally to all parts of a container; explains operation of several types of pressure gauges; reviews Pascal's law.

Borrow from Navy. *Buy from* NF.

Dermatology and syphilology. Part 1: Distribution patterns of lesions in the diagnosis of skin diseases (*Filmstrip*) U. S. Dept. of the Army, 1956.
55 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-113.
Summary: Illustrates and explains the distribution patterns of lesions of some common skin diseases, including acne, rosacea, scabies, contact dermatitis, atopic dermatitis, pityriasis rosea, psoriasis, herpes zoster, fungus infections, syphilis, and lupus erythematosus. Uses drawings and actual photographs.
Borrow from Army.

Dermatology and syphilology. Part 2: The sweat gland in health and disease (*Filmstrip*) U. S. Dept. of the Army, 1957.
46 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-114.
Summary: Discusses normal and abnormal functioning of the eccrine and apocrine sweat glands, showing their relationship to health and various diseases. Covers the causes, symptoms, and treatment of two common disorders of these glands—hyperhidrosis and anhidrosis. Gives particular attention in the treatment of anhidrosis to the clinical aspect and treatment of miliaria. Describes clinical aspects of the apocrine glands, discussing infections and their treatment.
Borrow from Army.

Dermatology and syphilology. Part 3: Bacterial skin infections (*Filmstrip*) U. S. Dept. of the Army, 1957.
52 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-115.
Summary: Explains and illustrates common bacterial infections of the skin, covering the causes, treatment and prevention of these diseases. Shows how skin breaks down and becomes infected with pathogenic bacteria. Discusses the symptoms and treatment of primary and secondary infections, including impetigo, folliculitis, carbuncle, pyogenic granulomas, skin ulcers, cutaneous diphtheria, acne, and carcinoma.

Borrow from Army. *Buy from* NF.

Dermatology and syphilology. Part 4: Dermatitis and allergy (*Filmstrip*) U. S. Dept. of the Army, 1957.
45 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-116.
Summary: Explains that primary irritants produce non-allergic dermatitis and that cutaneous sensitizers produce allergic contact dermatitis, and discusses causative agents, symptoms, treatment, and prevention of skin diseases in both categories. Shows patch tests that are useful in discovering the specific agents responsible for allergic contact dermatitis, and illustrates clinical and microscopical differences between dermal and epidermal sensitization.
Borrow from Army.

Dermatology and syphilology. Part 5: Superficial fungus infections (*Filmstrip*) U. S. Dept. of the Army, 1957.
56 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-117.
Summary: Describes superficial fungus infections, covering the morphology and mycology, clinical diagnosis, and prescribed treatment for some of these infections, particularly ringworm, or tinea, the most common type of superficial fungus infection. Principal sites of ringworm are shown to be the scalp, beard, smooth skin of the body, groin, feet, hands, and nails. Examples of infections in each of these areas are illustrated and discussed.
Borrow from Army.

Descriptive geometry: Finding the line of intersection of two solids (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
Order no. MN 5344-a.
Summary: Methods of determining intersecting lines of a cylinder and a cone by passing planes through the objects on an orthographic drawing.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Design for environment (*Motion picture*) U. S. Dept. of the Air Force, 1957.
34 min., sd., color, 16 mm.
Order no. SFP 385.
Summary: Portrays a young scientist learning of the numerous tests conducted at air development centers to determine the effects of environmental stresses on materials, metals, electrical equipment, etc.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Design for growing (*Motion picture*) U. S. Information Agency, 1954. Made by Herbert Kerkow. Released for public educational use in the United States through U. S. Office of Education, 1954.
33 min., sd., color, 16 mm.
Summary: Shows individual and group activities in the Cleveland public schools. Stresses the development of creative potentials of each child through the medium of the arts integrated with other features of the school curriculum. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Design for survival (*Motion picture*) U. S. Dept. of the Army, 1953.
23 min., sd., b&w, 16 mm.
Order no. MF 38-7951.
Summary: Discusses the availability and uses of critical raw materials, emphasizing the need to create and strengthen a positive attitude towards conservation among those concerned with the design, planning, manufacture, and purchase of military equipment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Designing a pattern for a water-cooled motor block (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 337.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How a patternmaker studies a drawing for a single-cylinder water-cooled motor block; visualizes the shape of the casting; plans the general shape of the pattern; checks on core support; and plans the core boxes.
Buy from NF.

Designing a pattern for a water-cooled motor block (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
41 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 337-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Designing a pattern for a water-cooled motor block
see also
Étude d'un modèle pour un bloc de moteur
refroidi a l'eau

Designing core boxes for a water-cooled motor block (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
12 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 338.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How a patternmaker visualizes the water jacket, port cores, and the core in a mold; then designs the ram-up core and set-up core.
Buy from NF.

Designing core boxes for a water-cooled motor block (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
30 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 338–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Detection of contaminated areas in biological and chemical warfare
see ABC warfare defense ashore: Detection of contaminated areas in biological and chemical warfare

Detection, radio (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
33 fr., b&w, 35 mm.
Order no. SN 651.
Summary: Describes how a radio wave is detected and isolated.
Borrow from Navy. *Buy from* NF.

Determination of carbon dioxide power with Van Slyke gas apparatus (*Motion picture*) U. S. Dept. of the Air Force, 1957.
11 min., sd., b&w, 16 mm.
Order no. FTA 276.
Summary: Demonstrates the use of the Van Slyke blood gas apparatus in determining carbon dioxide content of the plasma.
Borrow from AF.

Determination of types of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1950.
11 min., sd., b&w, 16 mm. (Laboratory diagnosis of diphtheria series, no. 2)
Order no. 4–088.2.
With utilization guide.
Summary: Shows procedures for determining cultural types of *Corynebacterium diphtheriae*, hemolysin and fermentation tests, and observation of colony forms.
Borrow from PHS. *Buy from* NF.

Determination of types of C. diphtheriae (*Filmstrip*) U. S. Public Health Service, 1951.
54 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Laboratory diagnosis of diphtheria, no. 2)
Order no. 5–176.
Motion picture of the same title also available.
Borrow from PHS. *Buy from* NF.

Developing cooperation (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.
14 min., sd., b&w, 16 mm. (Supervision series)
Order no. MN 3425–c.
Summary: Discusses the importance of cooperation of workers on any job; and uses examples in industry to illustrate good and poor methods of developing cooperation.
Borrow from Navy. *Buy from* NF.

Developing homogeneous reactors (*Motion picture*) U. S. Atomic Energy Commission, 1956.
28 min., sd., b&w, 16 mm.
Summary: Describes some of the most important stages in the development, construction, operation, and dismantling of homogeneous reactor, experiment no. 1, which was designed to operate at 1,000 kw. Shows testing of the most important reactor features, steps in assembling the reactor and operation of the reactor.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Developing pastures establishing alfalfa under wind erosion hazard (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
39 double fr., color, 35 mm.
Order no. C–64.
With lecture notes.
Summary: A film report of studies on wind erosion control on irrigated lands, showing the development of alfalfa pastures at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
Buy from PhotoLab.

Developing the negative (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.
16 min., sd., b&w, 16 mm. (Fundamentals of photography series)
Order no. MN 5386.
Summary: Shows chemistry and procedure in developing still camera film, and explains composition of the developing solution.
Borrow from Navy. *Buy from* NF.

Diabetic coma (*Filmstrip*) U. S. Public Health Service, 1950.
33 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 5 min. (Taking care of diabetes series, no. 9)
Order no. 5–149.
Summary: Explains the reasons for and the symptoms of diabetic coma, and the methods of keeping diabetes under control in order to avoid diabetic coma.
Borrow from PHS. *Buy from* NF.

Diagnosis of bee diseases in the apiary (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
58 fr., b&w, 35 mm.
Order no. 171.
With lecture notes.
Summary: Shows symptoms of various diseases of bees and explains methods of control.
Buy from PhotoLab.

Diagnosis of enterobiasis (*Filmstrip*) U. S. Public Health Service, 1950.
40 fr., b&w, 35 mm.
Order no. 5–164.
Summary: Discusses the features of the life cycle of the pinworm, its migration habits, and the areas of its activity; mentions various methods of diagnosing enterobiasis through recovery of eggs and explains the disadvantages of these methods; and describes the cellulose tape method and its advantages.
Borrow from PHS. *Buy from* NF.

The diagnosis of peripheral nerve injuries (*Motion picture*) U. S. Dept. of the Army, 1949.
16 min., sd., color, 16 mm.
Order no. PMF 5118.
Summary: Presents twelve cases of peripheral nerve injuries, and explains the more significant clinical findings. For medical personnel.
Borrow from Army.

Diagnosis of primary syphilis (*Filmstrip*) U. S. Public Health Service, 1949.
71 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5–087.
Summary: Discusses some common errors in the diagnosis of syphilis, the location of lesions, differences between syphilitic lesions and lesions caused by other diseases, and the importance of dark-field examinations.
Borrow from PHS. *Buy from* NF.

Diagnosis of syphilis by the general practitioner (*Motion picture*) U. S. Public Health Service, 1954.
22 min., sd., color, 16 mm.
Revision of 1941 film with title, Syphilis.
Summary: Covers the diagnosis of early, latent, and late syphilis. For medical personnel.
Borrow from PHS. *Buy from* Byron.

Diary of a sergeant (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm.
Order no. MF 8–1129.
Summary: Traces the treatment of an amputee in an army hospital and his rehabilitation, including his skillful manipulation of artificial arms and hands.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The diesel engine (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
29 min., sd., b&w, 16 mm.
Order no. MN 42–a.
Summary: Shows how ignition may be achieved by compression; describes basic diesel engine types; discusses forms of air headers and fuel injectors. Introductory survey film.
Borrow from Navy. *Buy from* NF.

Diesel engine fuel systems (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.
40 min., sd., b&w, 16 mm.
Order no. MN 46–a.
Summary: Shows the basic structure of diesel fuel systems, parts and operation of injectors and fuel pumps, and Bosch, General Motors, and Excello equipment.
Borrow from Navy. *Buy from* NF.

Diesel engine governors. Part 1: Woodward governors (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
14 min., sd., b&w, 16 mm.
Order no. MN 44–a.
Summary: Shows the operation of diesel engine governors and explains the operation of overspeed, overspeed trip, and regulating governors.
Borrow from Navy. *Buy from* NF.

Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
12 min., sd., b&w, 16 mm.
Order no. MN 44–b.
Summary: Discusses three main assemblies of the governor and their functions. Reviews the operation of the manual fuel control to explain the action of the governor through low, intermediate, and high speed ranges.
Borrow from Navy. *Buy from* NF.

Diesel engine governors series. Marquette governor
see
BMEP
Basic hydraulic governor
Powerhead
Speed drop

The diesel engine: Scavenging and supercharging diesel engines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm.
Order no. MN 42–b.
Summary: Shows operation of two-stroke cycle, single and double acting engines, and opposed piston engines. Discusses method of scavenging and supercharging air.
Borrow from Navy. *Buy from* NF.

Diesel lubrication and cooling systems (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.
10 min., sd., b&w, 16 mm.
Order no. MN 45–a.
Summary: Parts of diesel lubricating and cooling systems and how they work in relation to each other.
Borrow from Navy. *Buy from* NF.

Diesel lubrication and cooling systems: Lubrication of the GM–71 series engines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm.
Order no. MN 45–b.
Summary: Shows, by the use of animation, the course of the oil through the engine; describes how it lubricates each component part; and explains the working principle of the ventilation system.
Borrow from Navy. *Buy from* NF.

The difficult ones. Part 1: Psychiatric problems met by the contact representative (*Filmstrip*) U. S. Veterans Administration, 1946.
45 fr., b&w, 35 mm.
Similar version for V. A. hospital attendants released in 1947 under the title Your Job and the psychiatric patient. Part 1: The psychiatric patient.
Summary: Reviews through the use of cartoons and captions some of the psychiatric behavior patterns likely to be exhibited by veterans in interviews with the V. A. contact representative.
Borrow from VA.

The difficult ones. Part 1: Psychiatric problems
met by the contact representative
see also
Your job and the psychiatric patient. Part 1:
The psychiatric patient

The difficult ones. Part 2: Their effect on the contact representatives (*Filmstrip*) U. S. Veterans Administration, 1946.
36 fr., b&w, 35 mm.
Similar version for V. A. hospital attendants released in 1947 under the title Your job and the psychiatric patient. Part 2: How the patient may affect the attendant.
Summary: Explains through the use of cartoons and captions some of the reactions of V. A. contact representatives to neuropsychiatric veterans whom they are interviewing, and urges such representatives to be objective, factual, and helpful.
Borrow from VA.

The difficult ones. Part 2: Their effect on the
contact representatives
see also
Your job and the psychiatric patient. Part 2:
How the patient may affect the attendant

The difficult ones. Part 3: Getting help for the veterans with emotional problems (*Filmstrip*) **U. S. Veterans Administration, 1946.**

41 fr., b&w, 35 mm.

Similar version for V. A. hospital attendants released in 1947 under the title Your job and the psychiatric patient. Part 3: The attendant helps the patient.

Summary: Suggests through the use of cartoons and captions ways in which V. A. contact representatives should conduct interviews with veterans having emotional problems.

Borrow from VA.

The difficult ones. Part 3: Getting help for the
veterans with emotional problems
see also
Your job and the psychiatric patient. Part 3:
The attendant helps the patient

Digital computer techniques: Computer logic (*Motion picture*) U. S. Dept. of the Navy, 1962.

13 min., sd., color, 16 mm.
Order no. MN-8969-b.

Summary: Explains by means of animation the binary number system. Defines the several meanings of logic as applied to computers, shows the difference between the decimal and binary number systems, explains how binary numbers are constructed and how arithmetical operations are performed with them. Cites examples of code variations of the binary system.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Digital computer techniques: Computer logic symbology (*Motion picture*) U. S. Dept. of the Navy, 1962.

15 min., sd., color, 16 mm.
Order no. MN 8969C

Summary: Shows the basic U. S. military standard symbols of the logic elements of computers as in introduction to digital computer logic symbology. Shows the logic elements AND, OR, OR (exclusive) NOR DELAY, INVERTER, FLIP-FLOP and the way they function in handling electronic signals.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Digital computer techniques: Computer units (*Motion picture*) U. S. Dept. of the Navy, 1962.

24 min., sd., color, 16 mm.
Order no. MN 8969D

Summary: Discusses in an introductory way the major units of a digital computer. Describes the input unit and how it reads the problem data and instructions, the output unit and how it delivers problem solutions in some form of output medium, the arithmetic unit and how its basic components work, and the control unit and the purposes of sequencing, clocking, and timing.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Digital computer techniques: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1962.

16 min., sd., color, 16 mm.
Order no. MN-8969-a.

Summary: Provides a general introduction to digital computers; explains the historical origins of calculating devices; points out the differences between analog and digital computers, discussing the principal steps involved in the solution of problems subjected to the digital computing process.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Digital computer techniques: Logic element circuits (*Motion picture*) U. S. Dept. of the Navy, 1962.

16 min., sd., color, 16 mm.
Order no. MN 8969E

Summary: Illustrates how solid state electronics are used in modern computers. Shows diagrams for diode circuits, the P-N-P transistor, and its use in AND, OR, NOR, INVERTER and FLIP-FLOP gates. Shows how the circuits handle the imput signals of high and/or low voltages representing binary one's and binary zero's respectively, and how the proper output signal is produced.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Digital computer techniques: Programming (*Motion picture*) U. S. Dept. of the Navy, 1962.

14 min., sd., color, 16 mm.
Order no. MN 8969F

Summary: Defines computer programming, explains what is meant by analyzing the problem, shows how a simple flow chart is prepared with symbols and gives their meaning, and shows how instructions to the computer are encoded in computer language.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The dilemma of the U. S. foreign policy in the Middle East (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

40 min., sd., b&w, 16 mm.
Order no. OC 5.

Summary: George B. Allen, Asst. Secretary of State, explains to an officers' conference the geographical boundaries of the Middle East and South Asia, their political and strategic significance to the U. S., and the concept of the collective security program; and answers questions concerning political and social problems in the Middle East. Ernest K. Lindley of Newsweek acts as moderator.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Dimpling and countersinking (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

21 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 4)
Order no. OE 139.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How dimpling and countersinking prepare metal for flush riveting; how to operate a dimpling machine; and countersink work for flush rivets.

Buy from NF.

Dimpling and countersinking (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

57 fr. b&w, 35 mm. (*Aircraft work series. Assembling and riveting, no. 4*)
Order no. OE 139-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The diode: Principles and applications (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

17 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 2)
Order no. OE 176.
Supplemented by filmstrip with same title.
With instructor's manual.

Summary: Principles of electron flow across a gap; basic features of the diode tube; control of electron flow in the tube; photoelectric cells; X-ray tubes; and the diode as a rectifier.

Buy from NF.

The diode: Principles and applications (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

58 fr., b&w, 35 mm. (Engineering series. Electronics, no. 2)
Order no. OE 176-fs.
Supplements motion picture of same title.
With instructor's manual.

Buy from NF.

Direct current controllers (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

15 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 1)
Order no. OE 388.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Shows shunt motors and direct current controllers in operation; and by animation, a direct current faceplate controller connected to a shunt motor.

Buy from NF.

Direct current controllers (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

27 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 1)

Order no. OE 388–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Direct current generators, theory of operation (*Motion picture*) U. S. Dept. of the Navy, 1959.

16 min., sd., b&w, 16 mm.

Order no. MN–8594a.

Summary: Shows the basic components of a generator, and explains EMF of self-induction.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Direct current motors, theory of operation (*Motion picture*) U. S. Dept. of the Navy, 1959.

10 min., sd., b&w, 16 mm.

Order no. MN–8594b.

Summary: Shows the basic components of direct current motors and explains their operation.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Direction, orientation, and location with compass (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

33 min., sd., b&w, 16 mm. (Basic map reading series, no. 3)

Order no. TF 5–1791.

Revision of 1945 film with same title, order no. TF 21–2073.

Summary: Gives detailed instructions on how to travel cross-country with the aid of a map and a compass. Explains the difference between true and magnetic north and how the compass is used to orient the map, locate one's position, and locate distant objects.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Direction, orientation, and location without a compass (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1953.

21 min., sd., b&w, 16 mm. (Basic map reading series, no. 4)

Order no. TF 5–1790.

A revision of the 1945 film with the same title.

Summary: Explains how to identify map symbols; determine position by ground features and distant objects; compute distances and locate objects on a map; understand the use of horizontal and vertical lines; and determine a course by sun and stars.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Directional valves (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

96 fr., b&w, 35 mm. and disc; 2 s. 16 in., 33⅓ rpm, 18 min. (Hydraulic valves)

Order no. SN 1809–d.

Summary: Presents an elementary explanation of the purpose, construction, operation, and use of directional valves. Differentiates between the various types of directional valves; discusses common casualties, causes and remedies, and other types of valves encountered in hydraulic systems.

Borrow from Navy.

Disassembling the engine (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

13 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 268.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to remove the oil sump, valve tappet, and gear case cover assemblies; separate crankcase; remove crankshaft assembly and camshaft; and disassemble crankshaft and gear case cover assemblies.

Buy from NF.

Disassembling the engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

38 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 268–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Disassembly (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

30 min., sd., b&w, 16 mm. (General Motors 16–278A diesel engine series)

Order no. MN 3707–a.

Summary: How to inspect blower rotors and pistons; remove head and scrape wear ridge; remove connecting rod bearing; and pull one piston and one liner in piston assembly.

Borrow from Navy. *Buy from* NF.

Disassembly of the 8–268A engine (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

27 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)

Order no. MN 209–a.

Summary: Demonstrates how to remove air lines, manifold, rocker arm assembly, piston, lever, injector, and cylinder head; stresses precautions to be observed.

Borrow from Navy. *Buy from* NF.

Disassembly, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–a.

Summary: Demonstrates methods of inspection for all possible parts with methods of removal for all lines and parts in a complete breakdown of the engine.

Borrow from Navy. *Buy from* NF.

Disassembly, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–b.

Summary: Step-by-step demonstration of tools used in disassembly of engine for either overhaul or maintenance, concluding with a review of the important steps of disassembly.

Borrow from Navy. *Buy from* NF.

Disassembly series
see Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly

Disaster aid: Public health aspects (*Motion picture*) U. S. Public Health Service, 1955.

11 min., sd., b&w, 16 mm.

Order no. M 198.

Summary: Explains the health problems created by natural disasters and the methods used to solve these problems, using as an example a flood and the role of local, State, and Federal health agencies in combatting the resultant public health dangers.

Borrow from PHS. *Buy from* NF.

Disaster feeding (*Motion picture*) U. S. Dept. of the Army, 1960.
27 min., sd., b&w, 16 mm.
Order no. TF 10-2846.
Summary: Emphasizes the need for a civil defense plan in every community for feeding the population in the event of a natural or man-made disaster. Tells what such a plan consists of, and how it is put into action.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Discipline: Giving orders (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.
15 min., sd., b&w, 16 mm.
Order no. MN 2068-a.
Summary: Explains how to give clear orders and maintain office discipline; and contrasts the results of gaining workers' confidence with those of instilling fear in employees.

Borrow from Navy. *Buy from* NF.

Discipline: Reprimanding (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.
10 min., sd., b&w, 16 mm.
Order no. MN 2068-b.
Summary Shows examples of proper and improper reprimanding of employees by supervisors and how the efficiency and production of an office can be increased or decreased depending upon how a situation is handled.

Borrow from Navy. *Buy from* NF.

Discussion technique (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.
29 min., sd., b&w, 16 mm.
Order no. AFIF 1.
Summary: Shows how to conduct a discussion by forum, symposium, debate, panel, conference, and committee techniques; and how to stimulate independent thinking and free interchange of ideas among enlisted personnel.

Borrow from Army. *Buy from* NF.

Disease and personal hygiene (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm. (The stowaway series, no. 1)
Order no. TF 8-1501.
Summary: Shows ways in which the spread of disease is caused by careless personal hygiene of food handlers, and presents sanitary precautions and remedies.

Borrow from Army. *Buy from* NF.

Diseases of cabbage and related crops (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Cornell University, 1936.
53 fr., b&w, 35 mm.
Order no. 406.
With lecture notes.
Summary: Shows causes and effects of diseases that injure cabbage and related crops; explains methods of controlling these diseases.
Buy from PhotoLab.

Diseases of cereals (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
81 double fr., color, 35 mm.
Order no. C-4.
With lecture notes.
Summary: Shows some of the common diseases of cereals, their symptoms and effects upon plants.
Buy from PhotoLab.

Diseases of fruits (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
53 double fr., color, 35 mm.
Order no. C-5.
With lecture notes.
Summary: Shows some of the common diseases of fruits, their symptoms and effects.
Buy from PhotoLab.

Diseases of the mouth (*Filmstrip*) U. S. War Dept., 1945.
37 fr., color, 35 mm.
Order no. FS 8-100.
Summary: Shows clinical manifestations of 20 diseases of the mouth, including Vincent's infection, herpes labialis, apthous ulcer, herpetic stomatitis, etc. For medical personnel.
Borrow from Army.

Disenteria (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Portuguese version of Prevent dysentery.
Summary: Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.

Buy from NF. *Cleared for tv.*

Disentería (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of Prevent dysentery.
Summary: Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.

Buy from NF. *Cleared for tv.*

Disinfection of clinical thermometers. Part 1: Oral thermometers (*Filmstrip*) U. S. Public Health Service, 1952.
67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 119.
Summary: Demonstrates procedures to be followed in cleaning and disinfecting oral thermometers.

Borrow from PHS. *Buy from* NF.

Dismounted drill (*Motion picture*) U. S. Dept. of the Army, 1955.
32 min., sd., b&w, 16 mm.
Order no. TF 7-1947.
Summary: Explains and demonstrates the purpose and nature of drill, commands, command voice, and basic formations and movements of a squad and platoon.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Disorders of the extra-pyramidal system and the posterior columns (*Motion picture*) U. S. Public Health Service, 1938.
20 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 2)
Summary: Presents cases of Parkinsonism, chronic epidemic encephalitis, Huntington's chorea, Sydenham's chorea, congenital athetosis, choreoathetosis, striate rigidity, tabic ataxia, and tabes dorsalis. For medical personnel.
Borrow from PHS or VA. *Buy from* PCR.

Distilling plants series. Low pressure type
see
Griscom-Russell: How it works, part 1
Griscom-Russell: How it works, part 2

Ditching investigation of a jet transport with various engine installations, part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
10 min., si., b&w, 16 mm.
Order no. L-202.
Summary: Motion pictures of tests conducted in a hydrodynamic tank of a model of a jet transport airplane to determine the probable ditching behavior in calm water and the best ditching procedure. Various conditions of damage, engine installations, landing attitude, speeds, and flap settings were investigated. For technical personnel to be used with NACA Research memorandum L56G10: Model Ditching investigation of a jet transport airplane with various engine installations.
Borrow from NASA.

Ditching investigation of a 1/15-scale model of the Convair liner airplane; part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.
7 min., si., b&w, 16 mm.
Summary: Shows calm-water ditching tests at various landing attitudes with model undamaged and with scale-strength sections. Landing flaps are tested in up position and with two conditions of failure simulated when in the extended position. For technical personnel, to be used with NACA Technical note 3946: Ditching investigations of dynamic models and effects of design parameters on ditching characteristics.
Borrow from NASA.

Ditching investigation of a 1/24-scale model of the Douglas C-124 airplane; part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.
6 min., si., b&w, 16 mm.
Summary: Shows calm-water ditching tests at various landing attitudes and flap settings. Includes ditchings with model undamaged and with scale-strength sections. For technical personnel, to be used with NACA Technical note 3946: Ditching investigations of dynamic models and effects of design parameters on ditching characteristics.
Borrow from NASA.

Ditching techniques for transport aircraft: Communications, sea evaluation, headings and landings (*Motion picture*) U. S. Dept. of the Air Force, 1959.
26 min., sd., color, 16 mm.
Order no. TF 1-5271a.
Summary: Outlines steps to minimize hazards of ditching when a forced landing is anticipated at sea. Major teaching points include transmission of distress calls, evaluation of sea conditions, procedures for landing, and methods of obtaining proper headings.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Ditching techniques for transport aircraft: Preparation and evacuation for aircrew (*Motion picture*) U. S. Dept. of the Air Force, 1958.
15 min., sd., color, 16 mm.
Order no. TF 1-5271b.
Summary: Demonstrates preparations and procedures for safe evacuation of transport passengers over open sea. Covers inflight checks, precautionary measures before touchdown, and procedures after touchdown. Describes rules to follow for orientation of passengers, such as fastening safety belts, donning life jackets, operating safety hatches, and boarding life rafts.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Dividers, parallel rulers, protractors (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
33 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-h, formerly SG 3883-h.
Summary: Explains the physical characteristics and uses of dividers, a parallel ruler, and a protractor.
Buy from NF.

The diving dress
see Deep sea diving: The diving dress

Do it with E's (*Motion picture*) U. S. Dept. of Agriculture, 1951.
23 min., sd., color, 16 mm.
With in-service guide.
Summary: Demonstrates three E's of safety—education, engineering, and enforcement—through illustrative examples showing the work of forest rangers in the prevention of accidents.
Rent from DA Film Libraries. *Buy from* NF.

The do it yourself peace (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. MF 45-8709.
Summary: A U. S. Army reserve recruiting film developing the theme of strength in reserve as the foundation for peace. Describes the inventive genius and building talents of the Nation throughout its history; discusses engineering, automotive, and mechanical achievements; and points out the need to build a similar military defense.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Do unto animals (*Motion picture*) U. S. Dept. of Agriculture, 1939.
22 min., sd., b&w, 16 mm.
Summary: Shows shipping methods sponsored by the U. S. Dept. of Agriculture and the National Livestock Loss Prevention Board to reduce injuries to animals during shipment to market.
Rent from DA Film Libraries. *Buy from* NF.

Do you know? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
28 fr., b&w, 35 mm.
Order no. 665.
With lecture notes.
Summary: Shows through a series of quiz pictures how to prevent accidents in the farm home and on the farm.
Buy from PhotoLab.

Docking with keel and bilge blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2352-b.
Summary: Explains by animation and demonstrates the procedures for docking from flooding of the dock to final securing.
Borrow from Navy. *Buy from* NF.

The doctor (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
14 min., sd., b&w, 16 mm. (Ohio town series)
Summary: Shows small town Ohio doctor and his daily activities—examining school children, visiting patients, relaxing with his family.
Buy from NF.

Dollars and sense: The Army financial management plan (*Motion picture*) U. S. Dept. of the Army, 1956.
34 min., sd., b&w, 16 mm.
Order no. MF 20-8635.
Summary: Explains the objective and features of the Army financial management plan, including cost of performance budget, consumer funding, stock fund, industrial fund, integrated accounting, financial property accounting, and internal audit.
Borrow from Army.

Domestic units series
see Refrigeration service series. Domestic units

Domestic vector control by basic sanitation (*Filmstrip*) U. S. Public Health Service, 1958.
49 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min.
Order no. SPF 298.
Summary: Shows how common vectors of diseases (flies, rats, mosquitoes, and roaches) thrive on unsanitary conditions in and around the home, and demonstrates some simple sanitary practices which can help control these vectors.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Don't be a sucker (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.
24 min., sd., b&w, 16 mm.
Order no. EF 6.
Revision of 1945 film with same title.
Summary: A dramatized story portraying the use by the Nazis of racial and religious prejudices in order to turn minority groups against each other.
Borrow from Army. *Buy from* NF.

Don't blame lightning (*Motion picture*) U. S. Dept. of Agriculture, 1950.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 1, no. 3)
Summary: Smokey Bear explains the rules of safety with fire in the woods.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Don't let it happen (*Motion picture*) U. S. Dept. of Agriculture, 1950.

11 min., sd., b&w, 16 mm.

Released in 1948 under title Then it happened.

Summary: A documentary record of the Maine forest fire in 1947. Shows how the fire started, spread, and destroyed farms, villages, and forests before it was brought under control. Emphasizes the need for forest fire prevention and fire control measures.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Don't let it happen
see also
Then it happened

Double carrick bend (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.

Order no. MCG 303, formerly MG 2319–a.

Supplementary filmstrip of same title also available.

Summary: Explains that the double carrick bend is commonly used in pinning two hawsers, and demonstrates how to tie the knot correctly.

Buy from NF.

Double carrick bend (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organizition. Released for public educational use through U. S. Office of Education, 1948.

23 fr., b&w, 35 mm.

Order no. SCG 303, formerly SG 2319–b.

Supplements motion picture of same title.

Summary: Demonstrates how to tie and untie a double carrick bend.

Buy from NF.

Double ram vertical surface broaching (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

30 min., sd., b&w, 16 m. (Machine shop work series. Operations on a broaching machine, no. 3)

Order no. OE 238.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to assemble broaching inserts; mount and adjust the work fixtures; set trip dogs for the ram stroke; measure the workpiece after trial broaching; and surface-broach at a production rate.

Buy from NF.

Double ram vertical surface broaching (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

34 fr., b&w, 35 mm. (Machine shop work series. Operations on a broaching machine, no. 3)

Order no. OE 238–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Down where North begins (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

21 min., sd., color, 16 mm.

Summary: Gives an overview of Ecuador—geographical regions, industries and handicrafts, city and country life, people, scenery, and native animals.

Buy from NF.

Drafts and slings (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

16 min., sd., b&w, 16 mm. (Military stevedoring series, no. 4)

Order no. TF 55–1117.

Summary: Shows how to use sling or cargo net, pallet sling, and pie plate in handling cargo from docks and warehouses to holds.

Borrow from Army. *Buy from* NF.

Drainage (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

11 min., sd., b&w, 16 mm. (Military roads series, no. 2)

Order no. TF 5–1194.

Summary: Demonstrates methods of constructing ditches and open and covered culverts; stresses the importance of drainage.

Borrow from Army. *Buy from* NF.

The drama of steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Inland Steel Co., 1946.

34 min., sd., b&w, 16 mm.

Order no. 218.

Summary: Shows the uses of steel in homes, industry, and national defense; portrays early methods of making steel and, in contrast, scenes of modern open-pit mining of iron ore and its conversion into steel in modern furnaces and mills; reviews the industrial uses of steel.

Borrow from BM. *Cleared for tv.*

Drawing, stretching, and stamping (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

22 min., sd., b&w, 16 mm. (How to form aluminum series)

Order no. 207.

Summary: Explains the properties of cold-working and heat-treatable aluminum alloys; the uses of single-action and double-action draw presses; operation of a "stretch press" and drop hammer; the differences between stamping, embossing, and coining; the functions of closed and rubber-faced dies; and the making of merchandise tokens.

Borrow from BM. *Cleared for tv.*

Dress rehearsal (*Motion picture*) U. S. Dept. of the Army, 1952.

13 min., sd., b&w, 16 mm.

Order no. MF 20–7924.

Summary: Shows the final period of U. S. Army basic training, the "attack course" designed as a dress rehearsal of battle conditions.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Dressing up sentences
see Practical English usage I, lecture 13 [–16]:
Dressing up sentences

The drill press (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

10 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)

Order no. OE 71.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Functions, characteristics, and basic operations of the drill press.

Buy from NF.

The drill press (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

32 fr., b&w, 35 mm. (Machine shop work series. Basic machines)

Order no. OE 71–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The drill press
see also
El taladro de columna

The drilled well: Sanitary aspects (*Filmstrip*) U. S. Public Health Service, 1954.

87 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.

Order no. F 46.

Summary: Shows suitable sanitary methods for constructing a drilled well, importance of proper site location and well construction, use of the drilling rig, installation and purpose of steel casing, and defects of drilled wells of improper construction. For sanitarians and sanitary engineers.

Borrow from PHS. *Buy from* NF.

Drilling a hole in a pin (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

10 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Sensitive drill, no. 1)

Order no. OE 46.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to lay out two holes at each end of a short 1¼ inch diameter pin; and drill the holes using the sensitive drill press.

Buy from NF.

Drilling a hole in a pin (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

35 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Sensitive drill, no. 1)

Order no. OE 46–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Drilling a well by the percussion method (*Motion picture*) U. S. Public Health Service, 1952.

6 min., sd., color, 16 mm.

Order no. M 46.

Summary: Explains the percussion well-drilling rig, the well-drilling tool, procedures in drilling the well, installation of casings, and use of a bailer in removing sludge and dirty water..

Borrow from PHS. *Buy from* NF.

Drilling and tapping cast steel (*Motion picture*) U. S. Office of Education, 1942. Produced by Emerson Yorke Studio.

19 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 1)

Order no. OE 22.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to drill and tap blind holes in cast steel on a radial drill, using a jib with a loose drill bushing to locate the holes.

Buy from NF.

Drilling and tapping cast steel (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

48 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 1)

Order no. OE 22–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Drilling, boring, and reaming work held in chuck (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

11 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 4)

Order no. OE 9.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to drill a workpiece held in lathe chuck; bore a tapered hole with the taper-turning attachment; check the accuracy of the hole; and ream a tapered hole to finish size.

Buy from NF.

Drilling, boring, and reaming work held in chuck (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

47 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 4)

Order no. OE 9–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Drilling in metal, wood, and plastics (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.

23 min., sd., b&w, 16 mm.

Order no. MN 142.

Summary: Points out the six basic steps in drilling, and demonstrates how to lay out wood and plastics with drill press, electric drill, and hand drills.

Borrow from Navy. *Buy from* NF.

Drilling, tapping, stub-boring, and reaming (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 6)

Order no. OE 230.

With instructor's manual. Supplementary filmstrip of same title.

Summary: How to drill and machine-tap a hole; use a core drill; use a stub-boring bar for rough- and finish-boring and counterboring; and use an adjustable reamer and a floating reamer.

Buy from NF.

Drilling, tapping, stub-boring, and reaming (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

29 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 6)

Order no. OE 230–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Drilling to a layout and spotfacing cast iron (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 2)

Order no. OE 23.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up a job on the table of a radial drill press; drill holes to a layout; and spotface the holes.

Buy from NF.

Drilling to a layout and spotfacing cast iron (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

37 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 2)

Order no. OE 23–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Drilling with portable drill motors (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

17 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 3)

Order no. OE 138.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use a portable electric drill motor; select a drill; insert the drill in a chuck; check the drill for true-running; and install and use a special attachment for drilling.

Buy from NF.

Drilling with portable drill motors (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

45 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 3)

Order no. OE 138–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Driving and bucking rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 5)
Order no OE 140.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set up and adjust a rivet gun; drive and buck rivets; and how a riveter and a bucker work together as a team.
Buy from NF.

Driving and bucking rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
47 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 5)
Order no. OE 140–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Driving the semi-trailer (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
19 min., sd., b&w, 15 mm.
Order no. TF 55–1478.
Summary: Explains checking procedure for safety and protection of equipment, and shows how to back a trailer up to a platform for loading or unloading.
Borrow from Army. *Buy from* NF.

A drop in the bucket (*Motion picture*) U. S. Public Health Service, 1952. Made by Warner Pathé.
13 min., sd., color, 16 mm.
Summary: Dramatized story of how dentists, civic leaders, health officials, and people of a town agreed to add fluoride to their community water supply. Explains how the fluoride is added, the cost of fluoridation, and the benefits accruing to the community.
Borrow from PHS. *Buy from* NF.

Dry eggs in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.
30 fr., color, 35 mm.
Order no. C–79
Summary: Demonstrates the proper use of dry eggs, and gives a few recipes for use in family meals, including dry eggs and other low-cost commodities.
——— Another issue. double fr.
Buy from Photo Lab.

Drying ear corn with forced air (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
43 fr., b&w, 35 mm.
Order no. 697.
With lecture notes.
Summary: Explains the advantages of drying ear corn before storing, and particularly of using forced heated air. Shows methods of making a farm corn crib suitable for drying.
Buy from PhotoLab.

The dug well: Sanitary aspects (*Filmstrip*) U. S. Public Health Service, 1954.
72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 47.
Summary: Public health aspects of dug wells including principles relative to site selection, aspects of construction, types of pumps and their installation, disinfection and sampling of water.
Borrow from PHS. *Buy from* NF.

The dust is dying (*Motion picture*) U. S. Dept. of Agriculture, 1961.
14 min., sd., color, 16 mm.
Summary: Shows how farmers and ranchers in the Great Plains are preparing to prevent disaster by nailing down the soil with grass to keep it from going with the winds when the next drought comes. Through the eyes of six farmers and ranchers, tells how the battle against drought, dust, and disaster is being won.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

"Dusty": How to wage war on dust (*Filmstrip*) U. S. Veterans Administration, 1956.
41 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Summary: Uses cartoon characters to illustrate procedures of dusting in hospitals.
Borrow from VA. *Buy from* NF.

Duties of the jumpmaster (*Motion picture*) U. S. Dept. of the Army, 1962.
25 min., sd., b&w, 16 mm.
Order no. TF 7–3158
Summary: Describes the duties of the jumpmaster before, during, and after a parachute jump.
Borrow from Army.

Dynamic exercises for lower extremity amputees (*Motion picture*) U. S. Veterans Administration, 1959.
10 min., sd., color, 16 mm.
Summary: Starting with a demonstration of normal walking, broken down into all of its components, with special emphasis on the relationships of body segments during the transfer of body weight, the patient is taken through his entire exercise procedure from examination by the physician to his exercise routine under supervision and demonstration in utilization of his prosthesis in walking and in meeting his daily functional demands.
Borrow from VA.

Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.
15 min., si., b&w, 16 mm.
Summary: Shows tests in still air, conducted in the facility for flight testing hovering models at an NACA free-flight tunnel section, of an experiment model of a vertically rising airplane, which can take off and land vertically like a helicopter, having four wings arranged in a cascade and four propellers with thrust axes essentially parallel to the fuselage axis and distributed along the span so that the wings are completely immersed in the slipstream. A record film for technical personnel, to be used with NACA Technical note 3198: Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight.
Borrow from NASA.

Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings, and hovering flight (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
6 min., si., b&w, 16 mm.
Summary: Illustrates the results of flights of a delta-wing vertically rising airplane model in a free-flight tunnel investigation to determine the stability and control characteristics in take-off, landing, and hovering phases of flight. The model has a dual-rotating propeller in a tractor arrangement, a modified triangular wing, and modified triangular vertical-tail surfaces mounted symmetrically above and below the fuselage, but has no horizontal tail. Control is provided by elevons and rudders operating in the slipstream. For technical personnel, to be used with NACA Research memorandum L51H13a: Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings, and hovering flight.
Borrow from NASA.

Dynamic stability and control characteristics of a ducted-fan model in hovering flight (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.
6 min., si., b&w, 16 mm.
Summary: Illustrates the results of flights of a simple ducted-fan model in a free-flight tunnel investigation to provide some basic information on the stability and control of jet vertically rising airplanes in hovering flight. The model consists of an 18-inch diameter dual-rotating propeller in a shroud 4 feet long. Control is provided by all-movable surfaces at the rear of the shroud. The investigation consists mainly of flight tests with the model hovering at altitude and near the ground. For technical personnel, to be used with NACA Research memorandum L54C18: Dynamic stability and control characteristics of a ducted-fan model in hovering flight.
Borrow from NASA.

Dynamics of moral leadership: Communism (*Motion picture*) U. S. Dept. of the Air Force, 1961.

18 min., sd., color, 16 mm.
Order no. TF1–5391a
Summary: Lt. Gen. Joseph F. Carroll, Inspector General, USAF, discusses the relationship of power and peace, presenting provoking facts about the rising power of communism, factors which contribute towards its success, and the best means of arresting its growth.

Borrow from AF.

Dynamics of moral leadership: Moral obligations in family life (*Motion picture*) U. S. Dept. of the Air Force, 1962.

14 min., sd., color, 16 mm.
Order no. TF1–5391c
Summary: Gen. Truman H. Lyman, Commander-in-Chief, USAFE, discusses obligations of military personnel towards their families in terms of physical, mental, and spiritual health. Scenes of commissaries, housing, recreational facilities, base chapels, and medical clinics are cited as proof of Air Force efforts to support and protect family life.

Borrow from AF.

Dynamics of moral leadership: What America stands for (*Motion picture*) U. S. Dept. of the Air Force, 1961.

16 min., sd., color, 16 mm.
Order no. TF1–5391b
Summary: Gen. Frederick H. Smith, Vice Chief of Staff, discusses the American way of life, explaining what it is and what it should be. He condemns the folly of merely being against communism, and stresses the need for a revival of the patriotism and zeal of our forefathers.

Borrow from AF.

Dynamite (*Motion picture*) U. S. Public Health Service, 1944.

12 min., sd., b&w, 16 mm. (Malaria control series)
Order no. 4–029.1.
Summary: Shows the preliminary activities and the blasting which drained Ward's Brake, a large quagmire in the bottom lands of Arkansas, as part of a malaria control program.
Borrow from PHS.

E

E facil comer bem (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

9 min., sd., color, 16 mm. (Saúde para as Américas)
Portuguese version of Planning for good eating.
Summary: Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.

Buy from NF. *Cleared for tv.*

The E–1 survival kit (*Motion picture*) U. S. Dept. of the Air Force, 1953.

44 min., sd., color, 16 mm.
Order no. TF 1–4832.
Summary: Shows methods of survival through the proper use of the E–1 survival kit by a combat crew forced down over enemy territory.
Borrow from AF. *Cleared for tv.*

The E–6B computer: Solution of wind triangles (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

57 fr., b&w, 35 mm.
Order no. FS 1–423.
Summary: Describes the construction of the computer, states the rules for using the computer to solve vector triangles, and shows how to solve typical vector triangles with the aid of the computer.
Borrow from AF.

EBR-I core disassembly after meltdown (*Motion picture*) U. S. Atomic Energy Commission, 1958.

13 min., sd., color, 16 mm.
Summary: Presents some major aspects of the removal and subsequent disassembly of the core of experimental breeder reactor–1, mark 2, following meltdown. Illustrates the hot-laboratory remote-control techniques used to separate and recover enriched fuel from the blanket material.

Borrow from AEC. *Buy from* Byron.

EBR-2 fuel cycle development (*Motion picture*) U. S. Atomic Energy Commission, 1958.

9 min., sd., color, 16 mm.
Summary: Presents some major aspects of the development of a completely integrated fuel cycle for experimental breeder reactor–2 and includes the remote handling, reprocessing, refabrication, and reassembly of an EBR–2 fuel element.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

The eagle's talon (*Motion picture*) U. S. Department of Defense, 1962.

25 min., sd., color, 16 mm.
Order no. OSD 1-62
Summary: Secretary of Defense Robert S. McNamara reports on the progress made during 1961 in building a flexible military force for national defense and in providing assistance to allies and other friendly nations throughout the world.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Early care of plastic surgical cases series
see
Wounds of the face and jaw
Wounds of the hand

Early care of the patient with a spinal cord injury (*Motion picture*) U. S. Dept. of the Army, 1960.

17 min., sd., b&w, 16 mm.
Order no. PMF 5323.
Summary: Portrays the early care of the patient with a spinal cord injury. Salient teaching points cover: proper placement on litter; evacuation and transportation; surgery for open and closed wounds; skeletal traction for fractures of vertebrae; tracheotomy; relief of pain by tranquilizers and surgery; bladder care; bowel care; use of Stryker frame; skin care; heat stroke care; dietary care; physical medicine; and occupational therapy. Emphasizes the co-operative action of the whole medical team in the proper care of the patient.
Borrow from Army.

Early pericardiectomy in tuberculous pericarditis (*Motion picture*) U. S. Veterans Administration, 1957.

20 min., sd., color, 16 mm.
Summary: Demonstrates adhesive changes, decortication technique with associated liberation, and post-operative course of a patient with tuberculous pericarditis; emphasizes the value of pericardiectomy early in the treatment of the disease.
Borrow from VA.

The earth (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

17 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–a.
Summary: Explains the arrangement and meaning of the poles, great circles, parallels, meridians, longitude, latitude, nautical mile, and departure. College level.

Borrow from Navy. *Buy from* NF.

Easier ways of logging (*Motion picture*) U. S. Dept. of Agriculture, 1952.

26 min., sd., color, 16 mm.
Summary: Demonstrates recommended logging practices with particular emphasis on methods for farmers and small woodland owners in the eastern United States. Explains the sources of information on logging.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

East coast relay station (*Motion picture*) U. S. Dept. of the Army, 1961.
13 min., sd., b&w, 16 mm.
Order no. MF 11–9620
Summary: Describes the features, capability, and operation of a relay station established by the Signal Corps at Fort Detrick, Frederick, Md.

Borrow from Army.

Eastern white pine (*Motion picture*) U. S. Dept. of Agriculture, 1960.
19 min., sd., color, 16 mm.
Summary: Explains the importance of the management and protection of white pine and the significance of control programs for blister rust and pine weevil. Portrays the work of a farm forester in giving helpful advice to private woodland owners. Shows values that follow good management practices and control of pests.
Rent from DA film libraries. *Cleared for tv. Buy from* NF.

Easy ways to make a banged-up apple crop (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
33 double fr., b&w, 35 mm.
Order no. 702.
Summary: Shows incorrect and correct methods of handling apples from picking to marketing.
Buy from PhotoLab.

Eating for good health (*Filmstrip*) U. S. Public Health Service, 1950.
46 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Taking care of diabetes series, no. 2)
Order no. 5–142.
Summary: Stresses the importance of diet in diabetes control and suggests ways of planning meals.

Borrow from PHS. *Buy from* NF.

Eaton agent pneumonia (*Motion picture*) U. S. Public Health Service, 1961. Made by Communicable Disease Center.

17 min., sd., color, 16 mm.
Order no. M 479.
Summary: Traces the first study made in isolating and defining the cause of Eaton agent pneumonia, and the later confirmation of the agent by means of the fluorescent antibody technique. Discusses further studies with prison volunteers, and marine recruits at Parris Island. Explains how the Eaton agent was induced, the clinical manifestations, and the treatment with dimethylchlortetracycline.
Credits: Project supervisor, Graham Held; authors, Robert M. Chanock, Maurice A. Mufson.
Borrow from PHS. *Buy from* NF.

The Economic and Social Council at work (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
20 min., sd., b&w, 16 mm.
Summary: Explains the functions of the Economic and Social Council of the United Nations and shows the improvements that this organization has brought about in Haiti. Prepared for use in occupied areas.

Buy from NF.

Economy is everybody's business (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1952.
15 min., sd., b&w, 16 mm.
Order no. AFIF 8.
Summary: Shows how the Federal Government functions as a management organization; the need for peacetime preparedness; and how to secure a balance between military and civilian requirements.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Edition Tokyo (*Motion picture*) U. S. Dept. of the Army, 1950.
9 min., sd., b&w, 16 mm.
Order no. M 45–7744.
Summary: How a Japanese free press, developed under U. S. occupation forces, informs citizens of world-wide and local events to foster democratic public opinion. The story of a typical newspaper, the Yomiuri.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Education '57 (*Motion picture*) U. S. Office of Education, 1958. Made by the Westinghouse Broadcasting Co.
30 min., sd., b&w, 16 mm.
Summary: Reviews the major current problems in U. S. education, particularly the shortages of classrooms and of qualified teachers, and urges citizens to support their schools. Narrated in part by L. G. Derthick, U. S. Commissioner of Education. Includes a statement by Marion B. Folsom, Secretary of Health, Education, and Welfare.
Buy from NF. *Cleared for tv.*

Education for peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.
11 min., sd., b&w, 16 mm.
Summary: Explains how the American Friends Committee works in behalf of world peace and understanding through international seminars and work camps. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Effect of air flow on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.
15 min., si., b&w, 16 mm.
Order no. TF 4.
With lecture notes.
Summary: Shows through high-speed pictures (2,200 photographs per second) forced air flow in the combustion chamber of a high-speed Diesel engine, and the effects on combustion of air movement in mixing air and fuel. A record film for technical personnel, to be used with NACA Report 588: Fuel spray and flame formation in a compression-ignition engine employing air flow.
Borrow from NASA.

Effect of controls (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
54 fr., b&w, 35 mm.
Order no. FS 1–98.
Summary: Explains the functions and operation of basic controls in an airplane. Includes the stick, rudder pedals, proper control pressures, and the use of control in turning maneuvers.

Borrow from AF. *Buy from* NF.

The effect of ionizing radiation on domestic animals (*Motion picture*) U. S. Dept. of the Army, 1957.
22 min., sd., b&w, 16 mm.
Order no. PMF 5316.
Summary: Portrays the chronological development of symptoms in a group of burros experimentally exposed to ionizing radiation. Gives particular attention to the techniques used to demonstrate radiation and physiological changes in the biochemistry, hematology, histopathology, and the radiometric laboratory.
Borrow from Army.

Effective naval leadership, naval heritage, part 2: The Farragut story (*Motion picture*) U. S. Dept. of the Navy, 1962.

27 min., sd., color, 16 mm.
Order no. MN 8829L
Summary: Reviews the life of Admiral D. G. Farragut.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Effective study methods (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
43 fr., b&w, 35 mm.
Order no. FS 1–63.
Summary: Discusses proper study conditions—temperature, quiet, lighting, etc.; and study techniques—note-taking, outlining, planning the method of study, use of references, relating theory to practical experience, and understanding relationships.

Borrow from AF. *Buy from* NF.

Effective use of visuals in agriculture (*Filmstrip*) U. S. Dept. of Agriculture, 1955.
16 double fr., color, 35 mm.
Order no. C–44.
Summary: Explains the importance of visualizing agricultural information and the principles of such visualization.
Buy from PhotoLab.

Effective utilization of manpower in the U. S. Army (*Motion picture*) U. S. Dept. of the Army, 1952.
23 min., sd., b&w, 16 mm.
Order no. MF 45-7926.
Summary: Discusses the U. S. Army program for the effective use of military and civilian manpower.
Borrow from Army. *Cleared for tv.*

Effective writing (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., b&w, 16 mm.
Order no. TF 1-5072.
Summary: Describes communication from the concrete symbols of the cave man to the prolixities and ambiguities of some current Government writing. Explains the rules for organizing material and gives various examples of ineffective writing with recommendations for improvement.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Effects of air pollution (*Motion picture*) U. S. Public Health Service, 1962.
5 min., sd., color, 16 mm.
Order no. MIS 678
Summary: Gives examples of adverse effects of air pollution on health, agriculture, and the total economy.
Borrow from PHS. *Buy from* NF.

Effects of atomic bomb explosions (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm.
Summary: Explains the differing effects of the various types of detonations, the relative importance of blast effects, and the thermal and nuclear radiations in each type of explosion. Produced under the supervision of the Armed Forces Special Weapons Project.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.
15 min., si., b&w, 16 mm.
Order no. TF 6.
With lecture notes.
Summary: Shows through high-speed motion pictures (2,200 photographs per second) the injection of fuel through various types of nozzles into the combustion chamber of a high-speed Diesel engine, the mixing of air and fuel, and the resultant combustion. A record film for technical personnel, to be used with NACA Report 561: Effect of nozzle design on fuel spray and flame formation in a high-speed compression-ignition engine."
Borrow from NASA.

The effects of the ionosphere on radio wave propagation (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
29 min., sd., b&w, 16 mm.
Order no. TF 11-1632.
Summary: Explains the characteristics of propagated radio waves at various frequencies, ground and sky waves, effect of the ionosphere on sky waves, and the effects of favorable and unfavorable atmospheric conditions.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Effects of weather on tactical operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.
27 min., sd., b&w, 16 mm.
Order no. TF 1-5019.
Summary: Explains how to plan for weather and shows weather effects on Air Force and Army intelligence tactics.
Borrow from AF. *Cleared for tv.*

Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
9 min., si., color, 16 mm.
Summary: Records the results of flight tests in a wind tunnel of three configurations of a remotely controlled free-flight model of a jet-powered delta-wing vertically rising airplane during transition from hovering to normal forward flight. The model has conventional flap-type controls in addition to jet reaction controls. For technical personnel, to be used with NACA Technical note 3899: Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model.
Borrow from NASA.

Eggs and miracidia of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.
3 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-067.
Summary: Photomicrographic scenes of *Schistosoma mansoni* eggs hatching in fresh water, and the miracidia searching for a suitable snail as the intermediate host.
Borrow from PHS.

The 82d Airborne Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
21 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1426.
Summary: History of the 82d Airborne Division in World Wars I and II: training prior to combat; fighting in Sicily, Salerno, Anzio, Normandy, Holland, and the Battle of the Bulge; and the Fifth Avenue victory parade.
Borrow from Army. *Buy from* NF.

The 83rd Infantry Division in Europe (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
29 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-7814.
Summary: Chronological report of activities of the 83rd Division in World War II from Omaha Beach, St. Malo, Loire Valley, Luxembourg, to the Elbe River.
Borrow from Army. *Buy from* NF.

Elaboração de uma peça no prato ou bucha (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)
Order no. OE 60-Port.
Portuguese version of Machining work held in chuck: Use of reference surfaces.
Buy from NF.

Elaboración de una pieza en el plato (*Motion picture*) U. S. Office of Education [1959?]
24 min., sd., b&w, 16 mm.
Order no. OE 60-Sp.
Spanish version of the 1944 motion picture entitled Machining work held in chuck: Use of reference surfaces.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Shows how to select and machine surfaces to be used for reference, set up a workpiece accurately to the reference surfaces in a lathe chuck, and use a boring bar to machine several internal surfaces.
Buy from NF.

Elaboración de una pieza en el plato (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)
Order no. OE 60-Sp.
Spanish version of Machining work held in chuck: Use of reference surfaces.
Buy from NF.

Electric farming gets more to market (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
50 double fr., color, 35 mm.
Order no. C–24.
Summary: Cartoon pictures with captions explaining how electricity can be used on the farm, particularly in dairying and in poultry raising.
Buy from PhotoLab.

Electrical circuit faults (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
19 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 6)
Order no. OE 375.
Supplemented by filmstrip with the same title.
With instructor's manual.
Summary: How to test for and locate common circuit faults, grounds, resistance deterioration, and interference in circuits.
Buy from NF.

Electrical circuit faults (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
39 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 6))
Order no. OE 375–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Electrical machinery series
see Electrical work series. Electrical machinery

Electrical work series. Electrical machinery
see
Repulsion motor principles
Rotating magnetic fields
Single-phase and polyphase circuits
Split-phase motor principles
Squirrell-cage rotor principles

Electrical work series. Motor control
see
Across-the-line starters
D. C. motor. Part 1: Mechanical overhaul
D. C. motor. Part 2: Rewinding
Direct current controllers
Reduced voltage starters
Repulsion-induction motor: General overhaul
Split-phase motor: Rewinding
Three-phase motor. Part 1: Preparing to rewind
Three-phase motor. Part 2: Rewinding
Wound rotor controllers

Electrical work series. Wiring
see
Cable surface wiring
Electrical circuit faults
Installing conduit
Installing surface metal raceway
Joining solid conductors
Porcelain protected surface wiring
Power bending conduit
Preparing old buildings for wiring
Roughing-in nonmetallic sheathed cable
Soldering lugs and splicing stranded conductors
Three-wire service entrance
Wire sizes and voltage drop
Wiring old buildings with armored cable

Electricity and magnetism series
see
Charging storage batteries
Elements of electricity
Ohm's law
Voltaic cell, dry cell, and storage battery

Electrocardiography (*Motion picture*) U. S. Dept. of the Army, 1949.
10 min., sd., color, 16 mm.
Order no. PMF 5166.
Summary: Demonstrates the use of the cathode-ray oscilloscope to show the magnitude and direction of galvanometer deflections caused by changing relative positions within a conducting fluid, and gives mathematical explanations relating human electrocardiograms to Einthoven's hypothesis.
Borrow from AFIP.

Electromagnetic cathode ray tube: Theory of operation (*Motion picture*) U. S. Dept. of the Navy, 1958.
20 min., sd., b&w., 16 mm.
Order no. MN 8614.
Summary: Shows how the electrons are acted upon by the electron gun, control grid, and screen shield; describes the effect of a magnetic field on an electron in motion as the basis for the action of the focus coil and deflection coil; explains how a rotating sweep results from deflection coil currents out of phase by 90°.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Electromagnetic interference ashore (*Motion picture*) U. S. Dept. of the Navy, 1961.
18 min., sd., b&w, 16 mm.
Order no. MN 8012.
Summary: Emphasizes the importance of radio communications and the sources of electromagnetic interference which disrupt communications, missile telemetering, and radio astronomy. Shows representative man-made sources of interference, their identification, methods of analysis of these sources, and the use of interference reduction principles in various methods of mitigation, including the technique of "designing out" the interference during the original design stage of new equipment.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Electromagnets (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
3 min., sd., b&w, 16 mm. (Basis electricity series)
Order no. MN 8016–d.
Summary: Shows that by use of a magnetic field, current can be induced, and that this current in turn induces a magnetic field all along the wire. Shows the components of an electromagnet and explains how its strength can be varied.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Electromyograph procedures (*Motion picture*) U. S. Dept. of the Army, 1958.
18 min., sd., b&w, 16 mm.
Order no. PMF 5325.
Revised version of the 1947 motion picture of the same title.
Summary: Discusses the clinical application of electromyography in the diagnosis, treatment, and prognosis of neuromuscular disorders, and demonstrates the technique of operating the electromyograph machine.
Borrow from Army.

The electron, an introduction (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
16 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 1)
Order no. OE 175.
Supplemented by filmstrip with same title.
With instructor's manual.
Summary: Nature of electrons; electron flow in solid conductors; electromotive force: types and control of electron flow; electron flow and magnetic fields; and induced electron flow.
Buy from NF.

The electron, an introduction (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

40 fr., b&w, 35 mm. (Engineering series. Electronics, no. 1)

Order no. OE 175–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The electron theory (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

5 min., sd., b&w, 16 mm. (Basic electricity series)

Order no. MN 8016–a.

Summary: Shows the orbit of electrons around a representative atom; the symbols used for neutral atom, electron, and atom with one positive charge; and normal electron motion and outside force producing electron motion in one direction, called current flow.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Electronic functional modules (*Motion picture*) U. S. Dept. of the Navy, 1960.

17 min., sd., color, 16 mm.

Order no. MN 7460–b.

Summary: Portrays military dependence upon electronic systems and endeavors to persuade industry to adopt modular design and mechanized production in electronic manufacturing.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Electronics series
see Engineering series. Electronics

Elementary dead reckoning. Part 1: Earth's surface (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

54 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1-249.

Summary: Explains the concept of longitude and latitude and how they are used to locate the position of points on the earth's surface. Defines other terms such as statute mile, nautical mile, rhumb line, etc., used in aerial navigation.

Borrow from AF.

Elementary electricity series
see Radio technician training series. Elementary electricity

Elementary hydraulics series
see
Application of Pascal's law, part 1
Application of Pascal's law, part 2
Derivation of Pascal's law, part 1
Derivation of Pascal's law, part 2

Elementary optics in photography (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., b&w, 16 mm. (Fundamentals of photography series)

Order no. MN 5384.

Summary: Principles of lighting effects; how light is reflected and refracted by the curvature and thickness of glass.

Borrow from Navy. *Buy from* NF.

Elements of electricity (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

15 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 1)

Order no. TF 11-622.

Summary: Explains the breakdown of a molecule into atoms, and the relation of protons and electrons to electricity.

Borrow from Army. *Buy from* NF.

Elements of electricity as applied to ignition systems (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

28 min., sd., b&w, 16 mm. (Aircraft engines series)

Order no. TF 1-136.

Summary: Explains the application of basic principles of electricity to the ignition system of an aircraft engine. Covers electric current, voltage, polarity of magnets, magnetic fields, and electro-magnetic induction.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Elements of hardening (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

15 min., sd., b&w, 16 mm. (Engineering series. Heat treatment of steel, no. 1)

Order no. OE 170.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How steel is quench-hardened; how the structure and hardness of steels with different carbon content change at progressive quench-hardening stages; how the lower and upper critical temperatures of steel are determined; and how an iron-carbon diagram is constructed and what it shows.

Buy from NF.

Elements of hardening (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

40 fr., b&w, 35 mm. (Engineering series. Heat treatment of steel, no. 1)

Order no. OE 170–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Elements of surface hardening (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

14 min., sd., b&w, 16 mm. (Engineering series. Heat treatment of steel, no. 3)

Order no. OE 172.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Shows how steel is pack and gas carburized; how a thin, hard case is obtained by cyaniding; how nitriding is used to obtain a very hard case; and how steel is flame and induction hardened.

Buy from NF.

Elements of surface hardening (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

36 fr., b&w, 35 mm. (Engineering series. Heat treatment of steel, no. 3)

Order no. OE 172–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Elements of tempering, normalizing, and annealing (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

15 min., sd., b&w, 16 mm. (Engineering series. Heat treatment of steel, no. 2)

Order no. OE 171.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How steel is tempered; how the structure, toughness, and hardness of plain carbon steel change at progressive tempering stages; how steel is normalized and annealed, and the results of normalizing and annealing.

Buy from NF.

Elements of tempering, normalizing, and annealing (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

31 fr., b&w, 35 mm. (Engineering series. Heat treatment of steel, no. 2)

Order no. OE 171–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Elevation, distance, and grid (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

27 min., sd., b&w, 16 mm. (Basic map reading series, no. 2)
Order no. TF 5–1780.
Revision of 1945 film with same title, order no. TF 21–2072.

Summary: Explains how to interpret contour lines as a measure of the height and character of slopes, how to measure distances from map and graphic scales, and how to interpret the characteristics of the military grid system.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Elvis J. Stahr, Jr., Secretary of the Army, briefing for retired personnel (*Motion picture*) U. S. Dept. of the Army, 1962.

4 min., sd., color, 16 mm.
Order no. MF 45–9728

Summary: Presents a briefing by Secretary of the Army Elvis J. Stahr addressed to retired Army personnel, stressing the need for the continued dedicated service of retired personnel as members of the civilian community and pointing out that in their dual status of soldier and citizen they can help to promote a better understanding of the objectives and requirements of the Army.

Borrow from Army.

Embryology of the liver, gallbladder, and pancreas (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., color, 16 mm.
Order no. FG 8–3.

Summary: Explains in simple terms the embryology of the liver, gallbladder, and pancreas with particular reference to anomalies and variations of these organs most commonly discovered by the surgeon. Uses filmograph technique.

Borrow from Army. *Buy from* NF.

Embryonated egg techniques for virus studies (*Filmstrip*) U. S. Public Health Service, 1955.

50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. F 177.

Summary: Demonstrates the techniques of inoculating and harvesting the yolk sac, the allantoic fluid, the chorio-allantoic membrane, and the amniotic cavity by direct inoculation and by the window technique.

Borrow from PHS. *Buy from* NF.

Emergency childbirth (*Motion picture*) U. S. Navy Dept., 1961.

21 min., sd., color, 16 mm.
Order no. MN 9465.

Summary: This film is designed to prepare corpsmen psychologically and technically to render necessary assistance in the emergency delivery of a baby. It presents the indications when delivery is too imminent to risk transportation to a hospital, the detailed procedures to follow, cautions to be observed in the actual delivery, and the care of mother and baby immediately following delivery.

Borrow from NNMC. *Prior authorization required.*

Emergency medical treatment unit: Phase 1 (*Motion picture*) U. S. Dept. of the Army, 1960.

12 min., sd., b&w, 16 mm.
Order no. MF 8–9212.

Summary: Outlines the objectives and services of the four phases of the emergency medical care program: (1) Self aid or buddy aid; (2) Emergency medical care and treatment; (3) Post attack medical support; (4) Post attack resupply of medical resources. Describes the emergency medical treatment unit furnished under Phase 1, itemizes the contents of the unit, and shows the supplies included in the various wound packs.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Emergency seaplane repair (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

43 fr., b&w., 35 mm.
Order no. SN 1906.

Summary: How to temporarily seal holes in the hulls of flying boats and seaplanes both at sea and when beached.

Borrow from Navy. *Buy from* NF.

Emergency use of the parachute (*Motion picture*) U. S. Dept. of the Army, 1957.

17 min., sd., b&w, 16 mm.
Order no. TF 10–2455

Summary: Demonstrates the proper care, wearing, and activation of the Army free-back and free-chest emergency type parachutes. Shows the proper methods of jumping from a fixed-wing aircraft, landing, and recovering the parachutes.

Borrow from Army.

Employees only (*Motion picture*) President's Committee on Employment of the Physically Handicapped, 1958. Made by La Brea Productions.

14 min., sd., b&w, 16 mm.

Summary: Pictures numerous examples of physically handicapped adults in various productive jobs at the Hughes Aircraft Company in California, and emphasizes the abilities of such people.

Borrow from PCPH. *Cleared for tv.*

Employing blind workers in industry (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

17 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 165.
With instructor's manual.

Summary: Actual instances of blind workers performing jobs in industry; types of work which can be done by blind persons; role of employment specialists in placing and training blind workers.

Buy from NF.

Employing disabled workers in industry (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

20 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 399.
With instructor's manual.

Summary: Illustrative examples of disabled workers handling skilled industrial jobs—one-handed milking machine operator, one-handed machinist, one-armed electric welder, one-handed watch repairman, poliomyelitis-crippled jewelry maker, one-handed secretary.

Buy from NF.

O emprêgo do suporte fixo (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

25 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)
Order no. OE 62–Port.
Portuguese version of Using a steady rest.

Buy from NF.

Endfeed grinding a tapered pin (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

26 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 5)
Order no. OE 89.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Principles of endfeed grinding; how to true the regulating and grinding wheels; rough- and finish-endfeed grind; use a taper collet gage and Prussian blue to check work; redress the wheels for the finish grind; and correct taper error of less than .0005.

Buy from NF.

Endfeed grinding a tapered pin (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

42 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 5)
Order no. OE 80–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Endodontics. Part 1: Diagnosis and case selection (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.
13 min., sd., color, 16 mm.
Order no. MN 8566–a.
Summary: Emphasizes the necessity of applying to each case several specific diagnostic aids and tabulating the effect of each aid. Provides five questions as a guide to the dental officer in diagnosing and deciding to treat patients by endodontic means. Uses radiographs, animation, and live photography to illustrate endodontic treatment.
Borrow from Navy.

Endodontics. Part 3: Filling the root canal (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.
15 min., sd., color, 16 mm.
Order no. MN 8566–c.
Summary: Demonstrates in detail the filling of root canals by two techniques: the lateral condensation of gutta-percha and the use of silver cones; and the filling of the pulp chamber. Emphasizes the precision required for complete obliteration of the root canal lest it continue to be a source of periapical irritation; describes the aseptic precautions to be taken in strict bacterial culture control.
Borrow from Navy.

Enemas (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.
20 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511–v.
Summary: Discusses two main types of enemas, retention and evacuant, and demonstrates the procedure for giving them and the after care of the patient and equipment.
Borrow from Navy. *Buy from* NF.

The enemy bacteria (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1948.
29 min., sd., color, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511–l.
Summary: Shows by animation the entry of bacteria into the blood stream, the action of bacteria, and the resultant effect on the patient. Emphasizes the importance of cleanliness in surgery.
Borrow from Navy. *Buy from* NF.

Energy saving kitchen (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
Summary: Illustrates model kitchens, for urban and rural homemakers, designed to conserve energy because of illness or age. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

La enfermedad se propaga (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
11 min., sd., color, 16 mm. (Salud para las Américas)
Spanish version of How disease travels.
Summary: Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

The engine assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
19 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 3)
Order no. OE 463.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check the cylinder head and block; intake and exhaust manifolds; under-chassis parts; valve mechanism and tappets; vents, screws, and air filters; oil filter and oil lines; and cylinder depression.
Buy from NF.

The engine assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
42 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 3)
Order no. OE 463–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Engine change: Installation (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 273.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Safety precautions to be observed when installing an engine; how to inspect engine mount, controls, and firewall; connect controls and attachments; ground-test the engine; and prepare for check flight.
Buy from NF.

Engine change: Installation (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
47 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 273–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Engine change: Removal (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 272.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Safety precautions to be observed when removing an engine; how to disconnect controls and attachments; remove the engine; and inspect the mount, firewall, and controls.
Buy from NF.

Engine change: Removal (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
50 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 272–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Engine instruments (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
60 fr., b&w, 35 mm.
Order no. SN 802.
Summary: Describes and illustrates the function and use of airplane engine instrucents.
Borrow from Navy.

Engine lubricating system (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
59 fr., b&w, 35 mm.
Order no. SCG 154–h, formerly SG 1694.
Summary: Explains the splash and pressure systems of lubrication and how they are employed in a modern engine.
Buy from NF.

Engine reassembly, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–j.

Summary: How to inspect the liner, seat the seal in position in the cylinder block, lower the liner and fit the piston into the liner, put shell into connecting rod bearing, and install the connecting rod bearing cap.

Borrow from Navy. Buy from NF.

Engine reassembly, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–k.

Summary: How to install fire gasket, liner, cylinder nuts, motor header flange, liner drain plug, exhaust manifold gasket and coverframe, lube oil lines, injector nozzle, air starting and fuel lines; adjust valve clearances; and install cylinder head cover.

Borrow from Navy. Buy from NF.

Engine reassembly, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–l.

Summary: How to secure exhaust manifold, install indicator cock and relief valve unit, secure air starting manifold and supply line, remove coupling gear, close indicator cocks, and tighten wrist pin bolt.

Borrow from Navy. Buy from NF.

Engine tests and tune up (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

18 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 5)

Order no. OE 465.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to adjust the automatic choke; check and adjust ignition, valve tappets, and carburetor; make vacuum gage tests; and test the vacuum brake system.

Buy from NF.

Engine tests and tune up (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

50 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 5)

Order no. OE 465–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Engineer mission (*Motion picture*) U. S. Dept. of the Army, 1954.

26 min., sd., b&w, 16 mm.

Order no. MF 5–8279.

Summary: Shows past and present accomplishments of the U. S. Army Corps of Engineers, particularly its activities during World War II and up to the present.

Borrow from Army. Cleared for tv.

The engineer supply mission (*Motion picture*) U. S. Army Engineers, 1958.

29 min., sd., b&w, 16 mm.

Summary: Describes the engineer supply mission in terms of national security. Stresses the major phases of engineer responsibility: types and purposes of engineer equipment; care and preservation of equipment; storage and packaging methods; supply procedures and techniques. Illustrates the readiness of the supply system of the Corps of Engineers in peacetime and in national emergencies. Depicts the use of modern electronic machines to speed the flow of supplies, and the achievements accomplished in the standardization of engineer equipment and parts.

Borrow from Eng. Cleared for tv.

The engineered performance standards program (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by MPO Productions.

16 min., sd., b&w, 16 mm.

Order no. MN 7837.

Summary: Explains the engineered performance standards program and its benefits to workers and to management at U. S. Naval Air Stations.

Borrow from Navy. Buy from NF. Cleared for tv.

Engineering for radioisotopes (*Motion picture*) U. S. Atomic Energy Commission, 1951. Made by Oak Ridge National Laboratory.

22 min., sd., b&w, 16 mm.

Summary: Describes the chemical, mechanical, electrical, and construction engineering skills required for efficient industrial production and processing of radioisotopes.

Borrow from AEC. Cleared for tv.

Engineering for traffic safety (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

6 m[illegible]d., color, 16 mm.

Summary: Explains that engineering for traffic safety involves roads, traffic operations, and vehicles.

Borrow from PCTS. Cleared for tv.

Engineering series
see
Flue gas analysis (Orsat apparatus)
Heat treatment of aluminum, film 1
Heat treatment of aluminum, film 2
Measurement with light waves
Powder metallurgy. Part 1: Principles and uses
Powder metallurgy. Part 2: Manufacture of porous bronze bearings
Principles of dry friction
Principles of lubrication
Principles of refrigeration
The slide rule: Proportion, percentage, squares, and square roots
The slide rule: The "C" and "D" scales
Tension testing
X-ray inspection

Engineering series. Electronics
see
The diode: Principles and applications
The electron, an introduction
Principles of gas-filled tubes
The triode: Amplification

Engineering series. Fundamentals of mechanics
see
An introduction to vectors: Coplanar concurrent forces
Principle of moments
Principles of gearing: An introduction

Engineering series. Heat treatment of steel
see
Elements of hardening
Elements of surface hardening
Elements of tempering, normalizing, and annealing

Engineering test reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

22 min., sd., b&w, 16 mm.
Summary: Describes the design, construction, operations, and some of the uses of the engineering test reactor, including serving as a research tool in the development of economic nuclear power by testing effects of intense neutron and gamma-ray bombardment on the engineering components of reactors under design.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Engineering your health (*Motion picture*) U. S. Public Health Service, 1958. Made by Atlas Film Corp.
14 min., sd., color, 16 mm.
Order no. MIS 344.
Summary: Covers three major topics—water resources and pollution control, atmospheric pollution, and radiological health hazards; deals with problems, needs, operations, and research aspects of these problems; indicates professional outlets for teaching, travel, research, administration, etc.
Borrow from PHS. *Buy from* Capital.

England's American policy leads to revolt
see American history I, lecture 4: England's American policy leads to revolt

The English colonies dominate North America
see American history I, lecture 2: The English colonies dominate North America

Environmental factors affecting reliability of electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1956.
17 min., sd., b&w, 16 mm.
Order no. MN 8681-a.
Summary: Explains the influence of naval shipboard environments (shock, vibration, salt spray, temperature, etc.) upon the reliability of electronic equipment. Demonstrates the correlation of these environmental factors with specifications and testing procedures.

Borrow from Navy. *Buy from* NF.

Environmental sanitation (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
Summary: Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.
Buy from NF. *Cleared for tv.*

Environmental sanitation
see also
Saneamento geral
Saneamiento del ambiente

Environmental sanitation series
see
Constructing a sanitary pit privy

Environmental testing at White Sands Missile Range (*Motion picture*) U. S. Dept. of the Army, 1961.

21 min., sd., color, 16 mm.
Order no. MF 45-9522.
Summary: Describes the activities at the Environmental Test Center, White Sands Missile Range, New Mexico. Shows the Hawk air-defense missile being used to demonstrate the variety of tests performed under simulated climatic conditions to determine the operational effectiveness of missile systems in different environments. Highlights the objectives, plans, methods, materials, equipment, and facilities for the operational test in cold environment, high temperature test, salt-fog test, dust test, rain test, altitude test, solar radiation test, and and combined environment test. Shows prefiring conditioning tests at the launch site.

Borrow from Army. *Buy from* NF.

Enzyme assisted cataract surgery (*Motion picture*) U. S. Dept. of the Army, 1961.

10 min., sd., color, 16 mm.
Order no. PMF 5342.
Summary: A clinical progress report of the Ophthalmology Service, WRAMC, on the use of the enzyme Alpholchymotrypsin (ACT) in cataract surgery. Discusses properties of the enzyme and its effect on catgut suture; presents a surgical demonstration to illustrate the use of the enzyme in cataract surgery.
Borrow from Army. *Buy from* NF.

Epidemiology of brucellosis (*Filmstrip*) U. S. Public Health Service, 1952.
86 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. F 20-a.
Summary: Explains the epideminology of brucellosis in cattle, swine, and goats; and its transmission to man. Covers in each case the method of infection, the course of the disease, and the public health and economic implications.

Borrow from PHS. *Buy from* NF.

The epidemiology of influenza (*Motion picture*) U. S. Public Health Service, 1950.
13 min., sd., b&w, 16 mm.
Order no. 4-100.
Summary: Reviews the historical significance of influenza; discusses its behavior and periodicity; and explains the program of the World Health Organization with regard to the disease.

Borrow from PHS. *Buy from* NF.

Epidemiology of murine typhus (*Motion picture*) U. S. Public Health Service, 1953.
18 min., sd., b&w, 16 mm.
Order no. 4-049.1.
Revision of the 1948 film with same title.
Summary: Explains procedures for the epidemiological study of murine typhus and their relationship to its prevention and control; pattern of the disease—rats, rat fleas, man; and the roles of public health officers and the U. S. Public Health Service in controlling the disease.

Borrow from PHS. *Buy from* NF.

Epidemiology of staphylococcal infection (*Motion picture*) U. S. Public Health Service, 1958.
13 min., sd., color, 16 mm.
Filmstrip of the same title also issued.
Order no. M 355.
Summary: Traces the epidemiologic pattern of staphylococcal infection from reservoir to environment and to host within the hospital; shows that hospital personnel frequently are carriers of antibiotic-resistant, epidemic strains of staphylococcus, and that these personnel carriers may infect patients through direct contamination, or through contamination of the environment.

Borrow from PHS. *Buy from* NF.

Epidemiology of staphylococcal infection (*Filmstrip*) U. S. Public Health Service, 1958.
112 fr., color, 35 mm. and tape: 1 reel, 7½ in. per sec., 14 min.
Issued also with disc: 1 s., 12 in., 33⅓ rpm, 14 min.
Motion picture of the same title also issued.
Order no. F 363.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Epizootiology of anthrax (*Filmstrip*) U. S. Public Health Service, 1952.
67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 118.
Summary: Explains the epizootiology of anthrax, particularly the etiological agent, *Bacillus anthracis;* the case history of an epizootic of anthrax arising from an import of contaminated bonemeal; the world-wide distribution of anthrax; susceptibility of different animals to anthrax; methods of infection; and control measures.

Borrow from PHS. *Buy from* NF.

733-201 O - 64 - 9

Equilibration of occlusion (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes Co. Released for public educational use through U. S. Office of Education, 1953.
19 min., sd., color, 16 mm.
Order no. MN 7340.
Summary: Shows various pathological conditions of teeth, gums, and the associated nervous system caused by traumatic occlusion; gives illustrative examples of such occlusion; explains that in malocclusion, improvement of stress distribution is obtained through equilibration by selective grinding; and demonstrates this procedure by the use of study casts, animation, and live-action photography of natural and artificial dentures.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Equipment maintenance series
see Farm work series. Equipment maintenance

Eradicating the Khapra beetle (*Motion picture*) U. S. Dept. of Agriculture, 1957.
13 min., sd., color, 16 mm.
Summary: Presents control measures taken to eradicate the Khapra beetle, a pest of stored grain, by using plastic tarpaulins and spraying with methyl bromide gas to kill these insects.
Rent from DA film libraries. *Buy from* DA.

Eradication of foot-and-mouth disease in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1948.
33 fr., b&w, 35 mm.
Order no. 683.
With lecture notes.
Summary: Shows symptoms of the disease, and explains the need to destroy diseased animals, clean and disinfect the premises, and report suspected cases to livestock authorities.
Buy from PhotoLab.

Erection of the AS–19/TRC–1 antenna system (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1953.
14 min., sd., b&w, 16 mm.
Order no. TF 11–1823.
Summary: Explains and illustrates the techniques of erecting the AS–19/TRC–1 antenna system used in UHF radio communication.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Erosion (*Motion picture*) U. S. Dept. of Agriculture, 1948.
5 min., sd., b&w, 16 mm. (School films series, no. 3)
With teacher's guide.
Summary: Portrays results of erosion caused by wind and dust storms and by water and floods; demonstrates the action of a heavy rain upon the soil of a newly planted bean field on a hillside; and emphasizes the importance of soil conservation practices.
Rent from DA Film Libraries. *Buy from* NF.

Eruption of Kilauea, 1959–60 (*Motion picture*) U. S. Geological Survey, 1962.
28 min., sd., color, 16 mm.
Produced with the cooperation of rangers and naturalists of the National Park Service at Hawaii National Park.
Summary: Depicts the spectacular upheaval of the Kilauea Volcano on the Island of Hawaii over a period beginning in November 1959 and ending in February 1960. Includes views of fountaining lava reaching up to 1900 feet. Explains that the island has been built up from a countless series of similar eruptions over the years.
Credits: Script by staff members of Hawaii Volcano Observatory and Edwin Roedder.
Borrow from GS. *Buy from* DA–MPS. *Cleared for tv.*

Erythrocytic stages of Plasmodium vivax (*Motion picture*) U. S. Public Health Service, 1954.
4 min., sd., b&w, 16 mm.
Order no. M 138–a.
Summary: By means of the phase contrast microscope, shows the appearance and behavior of living malaria parasites within infected red blood cells, specifically, ring stages, young and mature trophozoites, and schizonts of *Plasmodium vivax.*
Borrow from PHS. *Buy from* NF.

Es fácil comer bien (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Salud para las Américas)
Spanish version of Planning for good eating.
Summary: Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.
Buy from NF. *Cleared for tv.*

Establishing construction lines, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2345–a.
Summary: Shows by animation how to establish five basic lines—base, center, buttock, frame, and water—used in ship construction.
Borrow from Navy. *Buy from* NF.

Establishing construction lines, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2345–b.
Summary: Covers establishment of center, buttock, and water lines for use as reference points. Also shows setting of bulkhead and use of reference lines to locate a foundation.
Borrow from Navy. *Buy from* NF.

Establishing primary survey control points (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., color, 16 mm. (Hydrographic surveying operations of the Navy series)
Order no. MN 6755–a.
Summary: Describes the instruments, methods, and signals required to establish primary geodetic control including astronomical position, azimuth, base line, triangulation, and relevant operations.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Establishing working relations for the disabled worker (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.
14 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 401.
With instructor's manual.
Summary: Dramatized case study of workers being overly solicitous of a new one-handed lathe operator, of his resentment at being considered a "freak," and of the supervisor's successful handling of the situation.
Buy from NF.

Establishment and maintenance of grassed waterways (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
29 fr., b&w, 35 mm.
Order no. 559.
With lecture notes.
Summary: Explains how to slope and seed gullies.
Buy from PhotoLab.

Establishment of a field ammunition supply point (*Motion picture*) U. S. Dept. of the Army, 1950.
27 min., sd., b&w, 16 mm.
Order no. TF 9–1655.
Summary: Describes U. S. Army methods of setting up and operating ammunition supply points in the field.
Borrow from Army. *Cleared for tv.*

Estimating blood glucose
see Chemical techniques: Estimation of blood glucose; Folin-Wu and Somogyi methods

Estimation of blood glucose
see Chemical techniques: Estimation of blood glucose; Sunderman-Fuller method

Ethiopia in the free world (*Motion picture*) U. S. Dept. of State, 1951. Made by Telenews Productions. Released for educational use in the United States through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
Summary: **Explains the reasons for Ethiopia's participation in the Korean War, and shows Ethiopian troops as part of the United Nations' forces in Korea. Prepared for overseas use.**
Buy from NF. Cleared for tv. Prior authorization required.

Étude de l'électronique series
see Principes des tubes à gaz

Étude d'un modèle pour un bloc de moteur refroidi a l'eau (*Motion picture*) U. S. Office of Education, 1955.
15 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 337-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Designing a pattern for a water-cooled motor block.
Buy from NF.

Europe finds and explores a new world
see American history I, lecture 1: Europe finds and explores a new world

The European corn borer (*Motion picture*) U. S. Dept. of Agriculture, 1948.
11 min., sd., color, 16 mm.
Summary: Shows the life cycle of the corn borer—from moth to egg to borer to moth; and explains control measures to be used by farmers, including insecticides and types of spraying equipment.
Rent from DA film libraries.

European cruise (*Motion picture*) U. S. Dept. of the Navy, 1956.
25 min., sd., color, 16 mm.
Order no. MN 8400.
Summary: Depicts a Naval Reserve training cruise from the United States to the Azores, Spain, and Portugal. Shows the places visited and various phases of training.
Borrow from Navy. ***Buy from*** NF. ***Cleared for tv.***

The evacuation hospital (*Motion picture*) U. S. War Dept., 1945.
13 min., sd., b&w, 16 mm.
Order no. FB 8-173.
Summary: Shows the operation and functions of an evacuation hospital in the theater of operations.
Borrow from Army.

Evacuation of casualties (*Motion picture*) U. S. Dept. of the Army, 1952.
33 min., sd., b&w, 16 mm.
Order no. TF 8-1683.
Summary: Illustrates how the procedures of evacuation function to bring soldier casualties as rapidly as possible to medical care behind the lines, or return them to action after treatment. Follows three casualties through various medical installations, describing the purpose of each installation and the sorting process that occurs from battalion aid station to a hospital in the continental United States. For use of Dept. of Defense agencies only.
Borrow from Army.

Evacuation of civilians (*Motion picture*) U. S. War Dept., 1945.
15 min., sd., b&w, 16 mm.
Order no FB 19-198.
Summary: Illustrates problems of directing civilians in combat areas to points of concentration so that traffic lanes can be kept open for troop and supply movements.
Borrow from Army. ***Cleared for tv.***

Evacuation of the wounded (*Motion picture*) U. S. War Dept., 1944.
14 min., sd., b&w, 16 mm.
Order no. FB 8-132.
Summary: Presents the principles of the chain of evacuation of the wounded through five successive echelons of medical service from the front line of battle to the general hospital in the zones of interior.
Borrow from Army.

Evaluating a nation (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.
19 min., sd., b&w, 16 mm.
Order no. AFIF 18.
Summary: Proposes the evaluation of nations in terms of national and global power; explains the MacKinder concept of a world island, the Nazi doctrine of geopolitics and the polar concept of geography; and emphasizes the necessity of sending U. S. troops to wesern Europe.
Borrow from Army. ***Buy from*** NF. ***Cleared for tv.***

Eve of battle (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. MF 40-1043.
Summary: Scenes of activities in England on the evening before the invasion of Normandy in 1944.
Borrow from Army. ***Buy from*** NF.

Evergreen shrubs for dooryard planting (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
50 double fr., color, 35 mm.
Order no. C-47.
With lecture notes.
Summary: Shows some of the better dwarf evergreen shrubs suitable for outdoor planting and how to identify these plants by name, form, and color.
Buy from PhotoLab.

Every minute counts (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 161.
With instructor's manual.
Summary: Problems of a new supervisor in handling lateness, loafing, and absenteeism; and how he learns to deal with individual cases.
Buy from NF.

Everyman's empire (*Motion picture*) U. S. Dept. of Agriculture, 1948.
19 min., sd., color, 16 mm.
Summary: Shows and explains the values and resources of the U. S. national forests—lumber reserves, storehouses of water, grasslands for grazing, refuge for wildlife, and recreational facilities for Americans.
Rent from DA Film Libraries. ***Buy from*** NF.

Evidence in courts-martial: Evidence after the findings (*Motion picture*) U. S. Dept. of the Navy, 1954.
20 min., sd., b&w, 16 mm.
Order no. MN 9238-d.
Summary: Discusses the rules of evidence as applied in courts-martial, the matters a court may take into consideration in determining the sentence, and how these matters are presented to the court by the trial and defense counsels. Includes evidence after the findings presented by the prosecution, personal data, evidence of previous convictions, matter showing aggravation of offense, evidence after the findings presented by the defense, extenuation, and mitigation.
Borrow from Navy. ***Buy from*** NF.

Evidence in courts-martial: General rules of evidence (*Motion picture*) U. S. Dept. of the Navy, 1954.
17 min., sd., b&w, 16 mm.
Order no. MN 9238-a.
Summary: Shows typical situations in courts-martial and how the rules of evidence are applied. Among the items discussed are corpus delicti, identity, intent, oral testimony, documentary evidence, real evidence, direct and circumstantial evidence, and relevant and competent evidence.
Borrow from Navy. ***Buy from*** NF.

Evidence in courts-martial: Testimony (*Motion picture*) U. S. Dept. of the Navy, 1954.

21 min., sd., b&w, 16 mm.

Order no. MN 9238-b.

Summary: Demonstrates rules and methods used in developing a witness' testimony. Includes presentation of evidence, order for presentation of a witness, general and specific competency of witnesses, pretrial interview of witness by counsel, written statements by witness, limitations on direct examination, impeaching of witness, right of accused to refuse to take the stand, and waiver of right against self-incrimination by the accused.

Borrow from Navy. *Buy from* NF.

The evolution of the oil industry (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1952.

29 min., sd., color, 16 mm.

Order no. 187.

Revision of 1942 b&w film of same title.

Summary: Traces the development of the petroleum industry, showing early methods and, in contrast, modern techniques of prospecting and drilling for oil and of refining oil into various products.

Borrow from BM. *Cleared for tv.*

Excision of chronic periapical infections (*Motion picture*) U. S. Dept. of the Army, 1952.

8 min., sd., color, 16 mm. (Dento-alveolar surgery series)

Order no. PMF 5191.

Summary: Demonstrates the excision of chronic periapical infections. Shows an apical granuloma which proved to be a cyst. For dental personnel.

Borrow from Army. *Buy from* NF.

Excision of gingival hypertrophy (*Motion picture*) U. S. Dept. of the Army, 1952.

6 min., sd., color, 16 mm. (Dento-alveolar surgery series)

Order no. PMF 5221.

Summary: Shows how tissue found in the anterior portion of the maxillary ridge is excised in preparation of a firm base for the denture.

Borrow from Army.

Excision of mandibular tori (*Motion picture*) U. S. Dept. of the Army, 1952.

12 min., sd., color, 16 mm. (Dento-alveolar surgery series)

Order no. PMF 5220.

Summary: Shows the surgical excision of the tuberosity lingual to the mandibular third molar, followed by the excision of bilateral mandibular tori in the bicuspid area, in preparation of the ridge for a denture.

Borrow from Army.

Excystation and motility of Endamoeba histolytica (*Motion picture*) U. S. Public Health Service, 1948.

3 min., si., b&w, 16 mm.

Order no. 4-070.

Summary: Shows by bright-field and dark-field illumination the process of excystation of the trophozoite of *Endamoeba histolytica*.

Borrow from PHS. *Buy from* NF.

Exercise Bright Star/Pine Cone III (*Motion picture*) U. S. Dept. of the Air Force, 1961.

13 min., sd., b&w, 16 mm.

Order no. SFP 1090.

Summary: A report on the largest peacetime Air Force-Army exercise in history depicting the role of the U. S. Air Reserve as an integral part of United States aerospace power. Shows how Air Reserve units, Tactical Air Command, and Military Transport Service work as a team with a high degree of combat readiness.

Borrow from AF. *Cleared for tv.*

Exercise ski jump (*Motion picture*) U. S. Dept. of the Army, 1954.

25 min., sd., b&w, 16 mm.

Order no. MF 31-8290.

Summary: Shows cold weather operations of a tactical U. S. Army unit, covering selection of camp site, erection of shelter, food preparation, cold weather clothing and equipment furnished the soldier, occupational hazards, first aid for and evacuation of the injured, vehicles used in supply and evacuation, care and use of personal weapons, and survival and tactical problems presented by mountain operations.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Exercise Yukon (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

30 min., sd., b&w, 16 mm.

Order no. MF 20-7513.

Summary: Documentary record of a tactical operation in the Arctic.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Exhibit ideas (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

37 fr., b&w, 35 mm.

Order no. 631.

With lecture notes.

Summary: Consists of photographs of exhibits with analysis and criticism of these exhibits provided in lecture notes.

Buy from PhotoLab.

Expedients (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

14 min., sd., b&w, 16 mm. (Military stevedoring series, no. 8)

Order no. TF 55-1551.

Summary: Demonstrates methods which can be used as expedients for the temporary repair of dead winches, damaged cargo booms, and other shipboard cargo handling equipment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The experimental boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1957.

34 min., sd., color, 16 mm.

Summary: Presents an actual account of the operation of the reactor, beginning with the installation of the reactor components, with pressure vessel and other units in the steam cycle already in place, continuing through the assembly of the reactor components to the loading of the core, arriving at first critical, capping the reactor, first 20 mw. operation, then the generation of 5,000 kw. of electricity.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Experimental breeder reactor 1, mark 3 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

14 min., sd., color, 16 mm.

Summary: Presents some major aspects of the fabrication, installation, and operation of a new core (mark 3) for the experimental breeder reactor-1 at the National Reactor Testing Station, Idaho.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Experimental determination of moments of inertia and product of inertia (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

15 min., si., color, 16 mm.

Summary: Shows a simplified method employed by the NACA for the determination of the moments of inertia and product of inertia, the associated equipment and techniques, and application of this method to a conventional 13,000 pound airplane. For technical personnel, to be used with NACA Technical note 2201: measurement of the moments of inertia of an airplane by a simplified method.

Borrow from NASA.

Experimental diving unit: Evaluation of physical fitness by one step-up test (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

12 min., sd., b&w, 16 mm.

Order no. MN 2153-a.

Summary: Explains equipment needed for test and demonstrates procedure for making step-up test based on terms of cardiovascular response. For medical personnel.

Borrow from Navy. *Buy from* NF.

The Explorer in space (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

11 min., sd., b&w, 16 mm.

Summary: Describes the final assembly and successful launching of the first United States satellite, the IGY relationship of the project, and the contribution which the satellite will make to world knowledge of the universe. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Explosive ordnance reconnaissance (*Motion picture*) U. S. Dept. of the Army, 1957.
26 min., sd., b&w, 16 mm.
Order no. TF 9-2119.
Summary: Stresses the need for efficient explosive ordnance reconnaissance in urban, rural, industrial, and military areas after air raids. Shows representative types of ordnance items found after an air raid, methods of identifying exploded and unexploded missiles, protective action to minimize hazards, proper handling of sensitive objects, and procedures for incident reporting.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Exposed (Brucellosis in problem herds) (*Motion picture*) U. S. Dept. of Agriculture, 1962.

16 min., sd., color, 16 mm.
Summary: Presents a case history of a "hidden brucellosis shedder," explaining how this cow was located in a brucellosis problem herd. Shows tests available for detection of the disease. Discusses the cooperation among livestock owners, practicing veterinarians, and veterinarians specially trained as brucellosis epidemiologists.

Borrow from DA. *Buy from* DA–MPS.

Exterminación de las plagas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of Insect enemies.
Summary: Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

Buy from NF. *Cleared for tv.*

Extra dividend (*Motion picture*) U. S. Army Engineers, 1954.
12 min., sd., color, 16 mm.
Summary: Explains the importance of flood-control planning and shows the benefits of reservoir developments for public use, with particular reference to Corps of Engineers projects in Arkansas and southern Missouri.
Borrow from Eng. *Cleared for tv.*

Extra feeding pays (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Summary: Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.
Buy from NF. *Cleared for tv.*

Extra feeding pays
see also
Comida abundante para todos
Produza mais alimentos

Extra forest dollars (*Motion picture*) U. S. Dept. of Agriculture, 1952.
14 min., sd., color, 16 mm.
Summary: Shows well-known and little-known products of the national forests—logs and lumber, furniture stuffing, candy, and cascara—and emphasizes the contribution of these forests to the country's economy.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The eye loop holder (*Motion picture*) U. S. Veterans Administration, 1949.
6 min., sd., b&w, 16 mm. (Light mechanics series, no. 3)
Supplements the film released in 1949 with the title Prescription for work.
Summary: Explains the importance of an eye loop holder in fine machine work, and shows how to make grooves in opposite sides of an eye loop, bend wire to fit the eye loop, and fit wire around the operator's head.

Borrow from VA. *Buy from* NF.

Eye surgery series
see
Field management of eye injuries
Removal of intraocular foreign bodies
Treatment for paresis of the superior oblique

Eye treatments (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.
13 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576-h.
Summary: Presents the responsibilities of hospital corpsmen in providing certain simple eye treatments, as ordered by medical officers, in wards of naval hospitals. Demonstrates in detail the following treatments: examination of the eye by everting the lids and application of eye drops; application of opthalmic ointment; irrigation of the eye; and application of moist heat and cold to the eye by compresses.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Eyes of the storm (*Motion picture*) U. S. Dept. of the Air Force, 1949.
20 min., sd., b&w, 16 mm.
Order no. TF 1–4000.
Summary: Demonstrates the use of the radar set AN/APQ–13 and the part it plays in forecasting weather conditions, how storm warning are issued, and the precautions taken to avoid property damage.
Borrow from AF. *Cleared for tv.*

F

F–84F combat crew training, Luke Air Force Base (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. SFP 491.
Summary: Describes F–84F pilot training conducted at Luke Air Force Base, Arizona, including classroom, academic, instrument, pilot, and gunnery training.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

F–86E and F flight controls (*Motion picture*) U. S. Dept. of the Air Force, 1952.
30 min., sd., color, 16 mm.
Order no. TF 1–4814.
Summary: Describes and demonstrates the controls and characteristics of the F–86A, F–86E, and F–86F fighter planes.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

F–106 escape and survival system (*Motion picture*) U. S. Dept. of the Air Force, 1960.

22 min., sd., color, 16 mm.
Order no. TF 1–5357.
Summary: Illustrates and describes, through the use of animation, each component part of the F–106 upward ejection system and its function, and familiarizes pilots and maintenance personnel with its operational principles. Shows cockpit checks and various ingress and egress procedures; demonstrates how correct operation of the system guarantees survival in a supersonic ejection.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Fabric repairs series
see
Making insert patches
Patching small holes in fabric
Patching the L, T, and X type tears in fabric

Fabricación de un bloque rectángular de hierro fundido (*Motion picture*) U. S. Office of Education ₍1959?₎

25 min., sd., b&w, 16 mm.

Order no. OE 20-Sp.

Spanish version of the 1942 motion picture entitled Machining a cast iron rectangular block.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Shows how to set the shaper ram stroke; how to adjust the shaper table, vise, vertical feed, head feed, and cross-feed, and how to set up a rectangular cast iron block and machine all six sides to dimensions and square with each other.

Buy from NF.

Fabricating metal aircraft (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

14 min., sd., b&w, 16 mm. (Aircraft work series. Metal fabrication)

Order no. OE 288.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How sheet metal is used in aircraft fabrication; how to cut sheet metal, form and assemble sheet metal parts, and fit major assemblies together.

Buy from NF.

Fabricating metal aircraft (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

41 fr., b&w, 35 mm. (Aircraft work series. Metal fabrication)

Order no. OE 288-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Fabrication d'un modèle avec un noyau à renflement (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 332-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern requiring cover core.

Buy from NF.

Fabrication d'un modèle avec un noyau horizontal (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 3)

Order no. OE 323-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern with a horizontal core.

Buy from NF.

Fabrication d'un modèle avec un noyau vertical (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 2)

Order no. OE 322-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern with a vertical core.

Buy from NF.

Fabrication d'un modèle avec une portée à talon (*Motion picture*) U. S. Office of Education, 1955.

19 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 4)

Order no. OE 324-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern with a tail print.

Buy from NF.

Fabrication d'un modèle, de boîtes à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau (*Motion picture*) U. S. Office of Education, 1955.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 339-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making pattern, core boxes, and assembling cores for a water-cooled motor block.

Buy from NF.

Fabrication d'un modèle exigeant la construction d'un châssis (*Motion picture*) U. S. Office of Education, 1955.

17 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 333-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern requiring box construction.

Buy from NF.

Fabrication d'un modèle exigeant la construction segmentaire (*Motion picture*) U. S. Office of Education, 1955.

13 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 335-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern requiring segmental construction.

Buy from NF.

Fabrication d'un modèle plat d'une pièce (*Motion picture*) U. S. Office of Education, 1955.

22 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 1)

Order no. OE 321-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a one-piece flat pattern.

Buy from NF.

Fabrication d'un modèle pour un coude de tuyau à brides (*Motion picture*) U. S. Office of Education, 1955.

18 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 7)

Order no. OE 327-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern for a flanged pipe elbow.

Buy from NF.

Fabrication d'un modèle pour un moule en trois parties (*Motion picture*) U. S. Office of Education, 1955.

20 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 6)

Order no. OE 326-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern for a three-part mold.

Buy from NF.

Fabrication d'un modèle segmenté (*Motion picture*) U. S. Office of Education, 1955.

22 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 5)

Order no. OE 325-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a segmented pattern.

Buy from NF.

Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 331-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern using a green and a dry sand core.

Buy from NF.

Fabrication d'une boite à noyaux pour un coude de tuyau à brides (*Motion picture*) U. S. Office of Education, 1955.
21 min., sd. b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 10)
Order no. OE 330-Fr.
French version, prepared by L'Office, provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a flanged pipe elbow.
Buy from NF.

Fabrication d'une boite à noyaux pour un noyau vertical (*Motion picture*) U. S. Office of Education, 1955.
19 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 9)
Order no. OE 329-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a vertical core.
Buy from NF.

Fabrication d'une boite à noyaux pour une base de machine (*Motion picture*) U. S. Office of Education, 1955.
12 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 334-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a machine base.
Buy from NF.

Fabrication d'une boite à noyaux pour une portée à talon (*Motion picture*) U. S. Office of Education, 1955.
18 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 4A)
Order no. OE 350-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a tail print.
Buy from NF.

Fabrication d'une plaque-modèle (*Motion picture*) U. S. Office of Education, 1955.
21 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 8)
Order no. OE 328-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a matchboard pattern.
Buy from NF.

Fabrication du modèle d'une soupage sphérique d'équerre en acier, moulée mécaniquement (*Motion picture*) U. S. Office of Education, 1955.
14 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 340-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern for a machine molded steel globe and angle valve.
Buy from NF.

Fabrication of plutonium disks (*Motion picture*) U. S. Atomic Energy Commission, 1958.

13 min., sd., color, 16 mm.
Summary: Describes glove box work used at Los Alamos Scientific Laboratory in shaping toxic material for criticality studies in reactor development. Two methods of fabrication are shown—blanking the disks from sheet stock made by tube extrusion, and shaping disks by standard machining techniques. Explains that because of the pyrophoric nature of plutonium, a great deal of the work is done in an inert atmosphere.
Borrow from AEC. *Buy from* Byron.

Fabrication of research reactor fuel elements (*Motion picture*) U. S. Atomic Energy Commission, 1958.

20 min., sd., color, 16 mm.
Summary: Describes the alloy and powder metallurgy methods of fabricating research reactor fuel elements.
Borrow from AEC. *Buy from* Byron.

Fabrication of tubing (*Filmstrip*) U. S. Navy Dept., 1941. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
60 fr., b&w, 35 mm.
Order no. SN 56.
Summary: Demonstrates the fabrication and installation of copper, aluminum, and dural tubing in the construction of aircraft. Includes the making of the pattern, cutting of the new tubing, annealing, removing of kinks and bends, bending, and fitting.
Borrow from Navy.

Face milling with a fixture (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 2)
Order no. OE 226.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to determine speed and feed; establish reference surfaces; make reference cut by end-milling a flange and by milling the face.
Buy from NF.

Face milling with a fixture (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
30 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 2)
Order no. OE 226-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Face planing uneven surfaces (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
13 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 3)
Order no. OE 304.
With instructor's manual. Supplementary filmstrip of same ti[illegible] also available.
Summary: Shows how to determine the condition of boards, correct defects on the jointer, face wide stock with a slight cross grain, make and use a feather board, and face thin stock using a push block.
Buy from NF.

Face planing uneven surfaces (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
40 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 3)
Order no. OE 304-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Face planing uneven surfaces
see also
Corroyage de surfaces inégales

Face to face with communism (*Motion picture*) U. S. Dept. of Defense, 1951.
28 min., sd., b&w, 16 mm.
Order no. AFIF 21.
Summary: Portrays a mock seizure of a United States town by Communists, showing the tactics of Communists in arresting and sentencing citizens, and the actions of an Air Force sergeant in resisting the Communists.
Borrow from Army.

Face turning a collar (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
16 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 5)
Order no. OE 317.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to prepare the face plate chuck; turn the chuck to size; attach chuck to stock for the collar; turn the collar and hob to size; and taper turn the recess.
Buy from NF.

Face turning a collar (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
39 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 5)
Order no. OE 317–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Face turning a collar
see also
Tournage d'une bride sur plateau

Facing, turning, boring, grooving, and chamfering (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.
31 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical boring mill, no. 3)
Order no. OE 18.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to use a fixture for setting up a casting on a vertical turret lathe; set cutting tools in the sidehead turret for facing and turning, and in the main head for boring, grooving, and chamfering.
Buy from NF.

Facing, turning, boring, grooving, and chamfering (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
52 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical boring mill, no. 3)
Order no. OE 18–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Factory worker turns farmer (*Motion picture*) U. S. Dept. of State, 1949. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1950.
24 min., sd., b&w, 16 mm.
Summary: Story of a young U. S. factory worker and his wife who, through hard work, wise planning, and neighbors' aid, become the owners of a small chicken farm. Prepared for overseas use.
Buy from NF.

A fair chance (*Motion picture*) U. S. Information Agency, 1954. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1957.
27 min., sd., b&w, 16 mm.
Summary: Depicts community action in protecting the welfare of American children through a dramatized story of the illness, recovery, and rehabilitation of a young rheumatic fever victim. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Fairbanks Morse diesel engine maintenance series
see
Inspection and preparatory steps
Removal and replacement of main bearings
Removal of cylinder liner
Removal of injection nozzles
Removal of pistons
Replacement of cylinder liner
Replacement of injection mozzles
Replacement of pistons

Fairbanks Morse diesel engine maintenance series. Benchwork
see
Air start check valve, cylinder relief valve, and indicator cock
Injection nozzle
Pistons and rods

Fallout and agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.
23 min., sd., color, 16 mm.
Summary: Explains radioactive fallout and its movement through the atmosphere resulting in the exposure of man and animals to radiation and the contamination of agricultural commodities. Discusses and illustrates the radioactive elements of concern to agriculture, and the means of protecting against radiation and minimizing the contamination of soil, crops, and other foods.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Fallout protection for hospitals (*Motion picture*) U. S. Public Health Service, 1962.
25 min., sd., color, 16 mm.
Order no. M–508
Based on the revised U. S. Public Health Service publication no. 791 of the same title.
Summary: Demonstrates that protective measures against chemical, biological, and radiological fallout can be incorporated in the construction of hospital buildings at reasonable cost if considered during initial planning. Discusses possibilities of protective additions to existing hospitals.
Borrow from PHS. *Buy from* NF.

The family (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
20 min., sd., b&w, 16 mm.
Summary: Explains how daily problems confronting a family are solved when each member understands the needs and desires of others, and the family faces its problems together. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Family (*Motion picture*) U. S. Dept. of the Army, 1958.
7 min., sd., b&w, 16 mm.
Order no. TF 16–2522.
Summary: Dramatized story illustrating the concept of family responsibility. Made for use by Army chaplains.
Borrow from Army.

The family of man (*Motion picture*) U. S. Information Agency, 1955. Released for public educational use in the United States through U. S. Office of Education, 1955.
20 min., sd., b&w, 16 mm.
Summary: A portrayal of the "Family of man" exhibit on display in 1955 at the Corcoran Art Galleries, Washington, D. C. Edward Steichen describes and demonstrates various exhibit panels, discusses the basic concept of the exhibit, and explains how photography can be used as an art medium to show the universal oneness and goodness of mankind. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

The famous Third Army (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Order no. MF 45–7705.
Summary: Historical review of the advance of the U. S. Third Army across France and into Germany during World War II.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Famous trees in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
80 fr., b&w, 35 mm.
Order no. 507.
With lecture notes.
Summary: Photographs of famous trees commemorating historic events; trees noted for size, age, or unusual form; trees planted by early national leaders.
Buy from PhotoLab.

Fan belt and water pump (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 4)
Order no. TF 5-1829.
Summary: Procedures used in checking and adjusting the fan belt and water pump of the D-7 tractor.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Farm and home development (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
40 double fr., color, 35 mm.
Order no. C-55.
With lecture notes.
Summary: Illustrates typical family goals and explains available resources and use of them in obtaining good family living.
Buy from PhotoLab.

The farm and the farm woods (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
48 fr., b&w, 35 mm.
Order no. 622.
With lecture notes.
Summary: Explains the values of farm woodlands and illustrates some points of proper care and management.
Buy from PhotoLab.

Farm forestry extension in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1936.
69 fr., b&w, 35 mm.
Order no. 393.
With lecture notes.
Summary: Illustrates the benefits of farm woodlands, and surveys the work of state extension foresters and county agents in promoting the proper care of such woodlands.
Buy from PhotoLab.

Farm forestry in the South (*Filmstrip*) U. S. Dept. of Agriculture, 1937.
64 fr., b&w, 35 mm.
Order no. 447.
With lecture notes.
Summary: Shows the kinds of trees found in the South and explains their uses and values in farm woodlands.
Buy from PhotoLab.

Farm photography (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
28 fr., b&w, 35 mm.
Order no. 677.
With lecture notes.
Summary: Shows "tricks of the trade" in farm photography.
Buy from PhotoLab.

Farm to fit your land (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
52 fr., b&w, 35 mm.
Order no. 676.
With lecture notes.
Summary: Illustrates proper use and treatment of land for practical purposes, and classification of land according to what it can produce best without losing its productivity.
Buy from PhotoLab.

Farm water systems (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
56 double fr., color, 35 mm.
Order no. C-50.
With lecture notes.
Summary: Portrays a practical how-to-do-it approach to the job of promoting water systems, including the problems of adequate water supply, hard water, pump location and protection, financing, installation, and sewage disposal.
Buy from PhotoLab.

Farm work series. Equipment maintenance
see
Care of a tractor
Reconditioning a cultivator
Reconditioning a grain drill
Reconditioning a mower. Part 1: Cutter bar
Reconditioning a mower. Part 2: Drive system
Reconditioning a two-bottom tractor plow

Farm work series. Food preservation
see
Canning beef
Community canning

Farm work series. Forging
see
Forge welding
Forging with a hand forge
Sharpening and tempering farm tools

Farm work series. Livestock
see
Handling livestock for market
Horseshoeing
Sheep shearing

Farm work series. Meat cutting
see
Cutting and boning a forequarter of beef
Cutting and boning a hindquarter of beef

Farm work series. Painting
see
Repainting a frame building

Farmer at war (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
Summary: How Lancaster County, Pa., farmers managed by longer hours and neighborhood cooperation to increase their production of food during World War II.
Buy from NF.

Farmer cooperation in Europe (*Motion picture*) U. S. Foreign Operations Administration and International Federation of Agricultural Producers, 1954. Made by World Wide Pictures, London. Released in the United States through U. S. Dept. of Agriculture.
28 min., sd., b&w, 16 mm.
Summary: Discusses the position of the independent farmer in Europe, farmer cooperatives and their democratic methods of operating, individual fields of agriculture in which cooperatives function in Europe, and peripheral agricultural fields in which farmer cooperatives are active, including farm insurance, agricultural implement pooling, fertilizer manufacturing, scientific research, and home education programs.
Rent from DA film libraries.

Farmer cooperatives today (*Motion picture*) U. S. Dept. of Agriculture, 1956.
20 min., sd., color, 16 mm.
Includes scenes from the 1952 film Farmers working together.
Summary: A report by the Farmer Cooperative Service on farmer cooperatives; what they are, the jobs their members call on them to do, and how they do them. Outlines the many types of cooperatives that farmers have set up and the kinds of services they perform.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The farmer increases production but suffers hard times
see American history I, lecture 19: The farmer increases production but suffers hard times

Farmers working together (*Motion picture*) U. S. Dept. of Agriculture, 1952.
19 min., sd., color, 16 mm.
Summary: Explains the operations, organization, and general activities of farmer cooperatives throughout the United States.
Rent from DA film libraries. *Cleared for tv.*

Farming (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 8)
Summary: Describes the work of county agricultural agents, the help and services they provide the modern farmer, problems facing a typical midwestern farmer, and activities and operations of farmer cooperatives. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Fast reactor program (*Motion picture*) U. S. Atomic Energy Commission, 1958.
36 min., sd., color, 16 mm.
Summary: Presents an abstract of the major features of the fast reactor program in the areas of reactor performance, safety and reliability, system components, and fuel-cycle developments.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

The fathometer (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
37 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-j, formerly SG 3883-j.
Summary: Explains the operation and use of sounding devices for measuring the depth of water—the lead, patent sounding machine, and fathometer.
Buy from NF.

Febre tifóide (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Portuguese version of The typhoid carrier.
Summary: Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.
Buy from NF. *Cleared for tv.*

Federal meat inspection (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
42 fr., b&w, 35 mm.
Order no. 406.
With lecture notes.
Summary: Contrasts conditions with and without Federal meat inspection, and shows the procedures followed in Federal meat inspection.
Buy from PhotoLab. *Cleared for tv.*

The Federal Reserve Bank and you (*Motion picture*) U. S. Federal Reserve Bank of Minneapolis, 1950. Made by Reid H. Ray Film Industries.
30 min., sd., b&w, 16 mm.
Summary: Explains through a dramatized story the operations and services of the Federal Reserve System and Banks.
Borrow from FRB.

The Federal veterinarian in agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.
14 min., sd., color, 16 mm.
Revision of 1969 film with the same title.
Summary: Pictorial story of the USDA veterinarian—his past successful animal disease-eradication campaigns; his present duties in maintaining the health of America's livestock and poultry; and his future challenges in the continuing advance of veterinary medicine. Describes his work at our borders, seaports, and airports and his research activities at especially constructed laboratories.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The Federalists launch the new government
see American history I, lecture 7: The Federalists launch the new government

Feeding farm animals (*Motion picture*) U. S. Dept. of Agriculture, 1946.
19 min., sd., b&w, 16 mm.
Summary: Shows the basic principles of feeding farm animals, the six classes of nutrients—carbohydrates, fats, proteins, vitamins, minerals, and water—and the results of correct feeding.
Rent from DA Film Libraries. *Buy from* NF.

Feeding the patient (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.
15 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 404.
Supplemented by filmstrip of same title.
With instructor's manual.
Summary: Presents factors which affect appetite and digestion: preparation of the environment and the patient for the meal; proper balance of food and arrangement of the tray; individualized feeding care; and factors to be considered in after-care of the patient.
Buy from NF.

Feeding the patient (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.
42 fr., b&w, 35 mm. (Nursing series)
Order no. OE 404-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Feedwater (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
60 fr., b&w, 35 mm.
Order no. SCG 120, formerly SG 1777.
Summary: Explains the function of the feedwater system and shows its important parts.
Buy from NF.

Femoral artery by-pass graft with crimped teflon (*Motion picture*) U. S. Veterans Administration, 1958.
15 min., sd., color, 16 mm.
Summary: Shows the preparation of a patient (a 71-year-old man with progressive intermittent claudication of the right calf) on the operating table for a preoperative arteriogram by means of a subcutaneous injection of dye in order to demonstrate patency of the branches of the popliteal artery in the leg; the operative approach to the popliteal artery and the femoral artery; and the method of handling the graft material, technique for anastomosis, and closure of the incision.
Borrow from VA.

Ferramentas e máquinas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Portuguese version of From small beginnings.
Summary: Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.
Buy from NF. *Cleared for tv.*

Feuillurage et toupillage d'un champ sur un matériel droit (*Motion picture*) U. S. Office of Education, 1951.
18 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la toupie no 1)
Order no. OE 318-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Rabbeting and shaping an edge on straight stock.
Buy from NF.

Field artillery sight tests and adjustments (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

37 min., sd., b&w, 16 mm.
Order no. TF 6-1498.
Summary: Demonstrates how to test and adjust field artillery sighting equipment on a 105 mm. howitzer.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Field management of eye injuries (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Eye surgery series)
Order no. MN 2477-c.
Summary: Demonstrates removal of the pterygium using local anaesthesia, removal of chalazion using surface anaesthesia, penetration of the cornea, corneal laceration, enucleation, and removal of intra-ocular foreign body. For medical personnel.

Borrow from Navy. *Buy from* NF.

Field training for ROTC (*Motion picture*) U. S. Dept. of the Army, 1956.

48 min., sd., color, 16 mm.
Order no. MF 45-8575.
Summary: Describes life and training at a typical summer ROTC camp at Fort Benning, from the time of the cadets' arrival to their graduation, including training and qualifying standards in the various military skills, techniques and tactics under simulated combat conditions, and the ability to lead and command men.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Field training of the U. S. Corps of Cadets (*Motion picture*) U. S. Dept. of the Army, 1959.

33 min., sd., color, 16 mm.
Order no. TF 20-2748.
Summary: Depicts the 8-weeks summer training program at Camp Buckner for third class West Point cadets, including physical conditioning, instruction in military doctrine and weaponry under simulated combat conditions, and realistic small unit and combined tactical exercises. Shows the intensive training given in major techniques and skills employed in the different branches of service, including the use of small arms, signal communications, field artillery, guided missiles, engineering demolitions, road construction, river crossings, and assembly of bridges.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The field training program in the USAF (*Motion picture*) U. S. Dept. of the Air Force, 1959.

23 min., sd., color, 16 mm.
Order no. TF 1-5323.
Summary: Briefs commanders and supervisors on the new U. S. Air Force training philosophy embodied in the Field Training Detachment Program and shows how the field training concept assures higher quality training for time and dollars invested.
Borrow from AF. *Cleared for tv.*

Fiestas of the hills (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., color, 16 mm. (Mexican fiestas series, no. 3)
Summary: Ceremonies at Amecameca where dancers climb the trail to Sacramente, representing that part of the Passion called Via Crucis; pilgrimage to Chalma where Lenten pilgrims visit the onetime sacred grotto of Oztocteotl.

Buy from NF.

The fight: Science against cancer (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by the National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1951. Released in the U. S. by International Film Bureau, 1953.

21 min., sd., b&w, 16 mm.
Short version of the 1950 motion picture released under the title Challenge: Science against cancer.
With A teaching guide to The challenge of cancer, a book by Lester Grant.
Summary: Traces the progress of cancer research in tissue culture, biochemistry, genetics, and specific therapy; and follows a case of skin cancer from diagnosis to cure.
Borrow from NCI. *Buy from* IFB.

Fighter photo, eyes of the fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

26 min., sd., color, 16 mm.
Order no. MN 7808.
Summary: Portrays a U. S. Navy pilot assigned to duty with a fighter photographic squadron, his training, and combat duties with a squadron operating in Korea.
Borrow from Navy. *Cleared for tv.*

Fighters and builders (*Motion picture*) U. S. Army Engineers, 1959.

29 min., sd., color, 16 mm.
Summary: Depicts the many fields of endeavor of the Corps of Engineers and traces the advances of the Army engineer from the Revolutionary War to date.
Borrow from Eng. *Cleared for tv.*

The fighting First (*Motion picture*) U. S. War Dept., 1946.

15 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1279.
Summary: Shows scenes of combat operations of the 1st Infantry Division in eight campaigns and three invasions—attacks and counterattacks on foot and in trucks and assault boats.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

A fighting lady speaks (*Motion picture*) U. S. Dept. of the Navy, 1950.

9 min., sd., b&w, 16 mm.
Order no. MN 7283.
Summary: Dramatizes a typical day's activities of an aircraft carrier off the shores of Korea in 1950. Contains combat scenes of Navy planes, fighters and bombers, on missions over Korea.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Fighting large fires in brush and grass (*Motion picture*) U. S. Dept. of Agriculture, 1947.

30 min., sd., color, 16 mm.
Summary: Demonstrates the techniques of fighting large grass and brush fires in the western United States.
Rent from DA film libraries.

Filariasis (*Filmstrip*) U. S. Public Health Service, 1947.

65 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.
Order no. 5-086.
Summary: Explains the necessity for further etiologic study of Bancroft's filariasis of the lymph-vascular system; the biology of the infection; the life cycle of *Wuchereria bancrofti* in human and mosquito hosts; and the diagnosis, treatment, and prevention of the disease.
Borrow from PHS.

Filariasis story in India, part 1: Entomological and parasitological aspects of filariasis in India (*Filmstrip*) U. S. Public Health Service, 1961.

65 fr., color, 35 mm.
Order no. F-449.1
Summary: Discusses entomological and parasitological aspects of filariasis in India. Covers mosquito vectors, history, breeding areas, life cycles of *W. bancrofti* and *W. malayi*, and morphology, including microfilariae in stained blood films.

Borrow from PHS. *Buy from* NF.

Filariasis story in India, part 2: Elephantiasis in India (*Filmstrip*) U. S. Public Health Service, 1961.

83 fr., color, 35 mm.
Order no. F 449.2
Summary: Discusses elephantiasis in India. Describes disease manifestations, treatment, popular beliefs, socio-economic effects, mental health aspects, and social restrictions.

Borrow from PHS. *Buy from* NF.

Filariasis story in India, part 3: Training, research, and control aspects of filariasis in India (*Filmstrip*) U. S. Public Health Service, 1961.

66 fr., color, 35 mm.
Order no. F 449.3

Summary: Discusses training, research, and control aspects of filariasis in India. Covers the functions of trained workers, including blood examinations for microfilariae, history taking from patients, mosquito collection and identification, and field investigations.

Borrow from PHS. *Buy from* NF.

Filariasis story in India, part 4: Facts about filariasis and its control in India (*Filmstrip*) U. S. Public Health Service, 1961.

62 fr., color, 35 mm.
Order no. F 449.4

Summary: Discusses facts about filariasis and its control in India, including distribution, pathology, vector biology, life history, laboratory examinations, factors of epidemiology, treatment, control, training, and research.

Borrow from PHS. *Buy from* NF.

Filing (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

15 min., sd., b&w, 16 mm.
Order no. MN 159.

Summary: Describes the importance of files and filing in a machinist's work; shows filing techniques, and various types of files and file cuts.

Borrow from Navy. *Buy from* NF.

Filing an internal irregular shape (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

27 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the metal cutting band saw, no. 2)
Order no. OE 240.
With instructor's manual.
Supplemented by filmstrip of same title.

Summary: How to make file selection; set up a metal cutting band saw machine for filing; file a die; lay out a punch using a die as a template; file a punch; check the filing of a punch with a die; and fine-finish file.

Buy from NF.

Filing an internal irregular shape (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

31 fr., b&w, 35 mm. (Machine shop work series. Operations on the metal cutting band saw, no. 2)
Order no. OE 240-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Filing and installing chocks (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 3)
Order no. OE 97.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How chocks are used in machinery installation; measurements made for preparing chocks; Prussian blue and chalk used for adjusting chocks; and foundation and chocks drilled for bolting machine.

Buy from NF.

Filing and installing chocks (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 3)
Order no. OE 97-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Filing template metal (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

15 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 5)
Order no. OE 129.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to file a square edge and remove burrs; rotate the wrist for filing inside curves; file inside rectangle; and remove fillets from corners.

Buy from NF.

Filing template metal (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

39 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 5)
Order no. OE 129-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Filleting and packaging fish. Part 1: Catching, filleting, and packaging fish (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.

14 min., sd., b&w, 16 mm.

Summary: Explains commercial fishing operations, including trawling, processing by filleting, packaging, and freezing of fish for shipment to markets.

Borrow from FWS. *Buy from* NF.

Filleting and packaging fish. Part 2: How to fillet fish (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.

10 min., sd., b&w, 16 mm.

Summary: Through animation and live-action photography, explains the step-by-step procedures used in filleting both round and flat fish.

Borrow from FWS. *Buy from* NF.

Film strip preparation (*Filmstrip*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

78 fr., b&w, 35 mm.
Order no. FS 11-3.

Summary: Explains recommended procedures for producing filmstrips, including preparation of the scenario, layout of frames, photography, and art work.

Borrow from Army. *Buy from* NF.

Filtration plants (*Filmstrip*) U. S. Public Health Service, 1953.

50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Small water treatment plants, no. 1)
Order no. F 132-a.

Summary: Shows and explains the operations of the mixing basin, settling basin, gravity sand filters, and chlorinator of a water treatment plant, and storage of water in a reservoir.

Borrow from PHS. *Buy from* NF.

Finding minutes (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New Jersey Extension Service, 1943.

43 fr., b&w, 35 mm.
Order no. 638.
With lecture notes.

Summary: Explains ways in which time is wasted in farm homemaking; and shows methods of planning work routines.

Buy from PhotoLab.

Fine grinding (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

15 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 183.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up lenses in multiple spindle machine; adjust grinding machine for grinding concave or convex lenses; and wash and inspect lenses after the grinding.

Buy from NF.

Fine grinding (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

44 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 183–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Fine grinding and polishing (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

32 min., sd., b&w, 16 mm. (Optical craftsmanship series. Flat surfaces)

Order no. MN 2449–k.

Summary: Illustrates techniques of fine grinding and polishing flat surfaces, including setting the molds, blocking and deblocking, and scoring lathes to achieve different results in the finished product.

Borrow from Navy. *Buy from* NF.

Fingerprint lifting (*Filmstrip*) U. S. Dept. of the Army, 1954.

62 fr., b&w, 35 mm.

Order no. FS 19–10.

Summary: Explains three systems of fingerprints—plastic, visible, and latent—and shows techniques used in discovering and preserving such fingerprints at the scene of a crime.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fingerprinting and fingerprint examination (*Filmstrip*) U. S. Dept. of the Army, 1953.

69 fr., b&w, 35 mm.

Order no. FS 19–9.

Summary: Shows how to take fingerprints, complete the fingerprint cards, and recognize fingerprint patterns.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Finish forming by hand (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

16 min., sd., b&w, 16 mm. (Aircraft work series. Forming (sheet metal) no. 4)

Order no. OE 135.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Successive stages of forming with a flat fibre strip; shrinking large wrinkles with a forming tool; marking excess metal with a surface gage; and checking finished work with a contour template.

Buy from NF.

Finish forming by hand (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

38 fr., b&w, 35 mm. (Aircraft work series. Forming (sheet metal) no. 4)

Order no. OE 135–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Finishing molded parts (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

14 min., sd., b&w, 16 mm. (Plastics series, no. 9)

Order no. OE 474.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to trim the gate; drum-sand the cable hole and gate; retap metal inserts; remove flash from contours; and sand, buff, and polish the finished part.

Buy from NF.

Finishing molded parts (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

42 fr., b&w, 35 mm. (Plastics series, no. 9)

Order no. OE 474–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Finishing series
see Aircraft work series. Finishing

Fire and explosion hazards from flammable anesthetics (*Motion picture*) U. S. Bureau of Mines in cooperation with University of Pittsburgh School of Medicine and Abbott Laboratories. Released by U. S. Bureau of Mines, 1959.

[illegible]0 min., sd., color, 16 mm.

Order no. 252

Summary: Demonstrates hazards of static electricity and other ignition sources, including electrical-power arcs and sparks, heated surfaces, and open flames. Shows examples of conductive and nonconductive materials in hospitals, and points out different types of safety devices and practices. Describes research and cooperative studies of gas-anesthesia practices and equipment in hospitals to determine methods of preventing ignition by static sparks. For medical, dental, nursing, or other groups concerned with operating room safety.

Borrow from BM. *Buy through* BM. *Cleared for tv.*

Fire and flood (*Motion picture*) U. S. Dept. of Agriculture, 1957.

10 sec., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 3)

Summary: An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Fire and water (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., color, 16 mm. (Mexican fiestas series, no. 1)

Summary: The Lenten fiesta at Taxco; dancers of the True Cross performing typical dances; customs and dances accompanying the blessing of the headwaters of the River Lerma at Almaloya del Rio.

Buy from NF.

Fire ant on trial (*Motion picture*) U. S. Dept. of Agriculture, 1959.

28 min., sd., color, 16 mm.

Summary: Describes the destructiveness of the fire ant and shows, by photomicrography and animation, the growth and life of the ant.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Fire ant on trial
see also
The imported fire ant

Fire: Artillery action in Korea (*Motion picture*) U. S. Dept. of the Army, 1952.

14 min., sd., b&w, 16 mm.

Order no. MF 6–7900.

Summary: Story of the support given infantry troops in Korea by an artilleryman and his 105-millimeter howitzer which he affectionately calls "Joe."

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fire-fighting aboard tankers (*Motion picture*) U. S. Coast Guard, 1961.

28 min., sd., color, 16 mm.

Summary: Instructs tanker crews in the techniques and methods of handling equipment for fire-fighting aboard ship, both at sea and alongside a pier. Contains fire-fighting demonstrations, including proper use of various types of equipment. Shows methods to be used for protection against reflash after a fire is extinguished.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Fire fighting in the nuclear age (*Motion picture*) U. S. Atomic Energy Commission, 1960.

14 min., sd., color, 16 mm.

Summary: Emphasizes that radiation is just another hazard in fire fighting which can be handled with proper training; portrays techniques and procedures to be followed.

Borrow from AEC. *Buy from* CP. *Cleared for tv.*

Fire in the forest (*Motion picture*) U. S. Dept. of Agriculture, 1951.
23 min., sd., color, 16 mm.
Summary: Shows how fuel, weather, and slope affect the behavior of forest fires.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Fire plow performance and use (*Motion picture*) U. S. Dept. of Agriculture, 1959.
15 min., sd., color, 16 mm.
Summary: Shows the advantages of mechanized fire line-building equipment over the use of handtools. Demonstrates the types of plows evolved through experimentation and experience, as well as the modern transports available to get them on the line quickly. Stresses the ways in which such equipment, when operated and managed by trained personnel, save timber stands and reduce suppression costs.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Fire power (*Motion picture*) U. S. Dept. of the Army, 1956.
25 min., sd., b&w, 16 mm.
Order no. MF 45-8711.
Summary: A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power to maintain the peace. Shows how the skilled use of weapons by man has spelled the difference between defeat and victory on the battlefield through the ages; traces the development of fire power in this country, and points up its decisive role in the major conflicts of history.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fire prevention: Know your fire hazards (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.
20 min., sd., color, 16 mm.
Order no. MN 8330-b.
Summary: Describes the fire characteristics of certain materials used at home or at work and their potential danger.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Fire prevention: The nature of fire (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.
16 min., sd., color, 16 mm.
Order no. MN 8330-a.
Summary: Shows, by means of animation and laboratory-type demonstrations, that a fire has three essential elements—oxygen, temperature, and fuel; and that any fire, regardless of size, can be controlled by the elimination of any one of these elements.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid. Part 1: Major wounds and fractures (*Motion picture*) U. S. Dept. of the Army, 1957.
33 min., sd., color, 16 mm.
Order no. TF 8-2292.
Summary: Describes first aid procedures in treating wounds of the chest, belly, head, and face, including application of elementary and improvised pressure dressings and the use of a tourniquet to stop uncontrolled bleeding; and procedures in treating fractures of the jaw, leg, elbow, arm, ribs, neck, and back, including proper splinting, use of sling for arm fractures, and handling of victims with rib, neck, and back fractures.
Borrow from Army.

First aid. Part 2: Everyday emergencies (*Motion picture*) U. S. Dept. of the Army, 1956.
29 min., sd., b&w, 16 mm.
Order no. TF 8-2293.
Revision of the 1951 film with same title (order no. TF 8-1581)
Summary: Describes treatment for snake bite; poison taken internally; poison ivy, oak, and sumac; chemical in the eye; soft and hard foreign matter in the eye; foreign object in the nose; bug or insect in the ear; something stuck in the throat; splinters; blisters; faintness; artificial respiration, back-pressure arm-lift method; carbon monoxide poisoning; and electric shock.
Borrow from Army. *Buy from* NF.

First aid. Part 3: Burns (*Motion picture*) U. S. Dept. of the Army, 1960.
14 min., sd., color, 16 mm.
Order no. TF 8-2588.
Summary: Discusses and describes the symptoms of 1st, 2d, and 3d degree burns, and demonstrates the first aid measures to be taken when treating serious burn casualties. Presents first aid treatment of flame or hot liquid burn victims, emphasizing the need to minimize and prevent infection, apply sterile dressings to critical areas, treat for shock, alleviate pain, administer salt and soda solution, and obtain medical aid. Demonstrates special first aid for treating white phosphorus burns, giving particular attention to flushing burned areas with water, applying copper sulphate solution, and removing phosphorus particles. Shows first aid treatment for acid or alkali burns, underscoring the importance of flushing burned area with water and obtaining medical aid.
Borrow from Army. *Buy from* NF.

First aid. Part 4: Resuscitation, mouth-to-mouth, mouth-to-nose (*Motion picture*) U. S. Dept. of the Army, 1960.
23 min., sd., color, 16 mm.
Order no. TF 8-3021.
Summary: Compares mouth-to-mouth and mouth-to-nose resuscitation with other methods of artificial respiration. Dramatized situations are used to demonstrate the application of mouth-to-mouth resuscitation to victims of asphyxiation caused by drowning, smoke and poison fumes, electric shock, severe head injury, crushed chest, drug poisoning, and carbon monoxide poisoning. Demonstrates variations of the preferred mouth-to-mouth, thumb jaw-lift, two hands jaw-lift, and mouth-to-nose techniques and explains by means of animation that more lifesaving air can be supplied to the asphyxiated person by this preferred method of resuscitation.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

First aid for all hands: Asphyxia (*Motion picture*) U. S. Dept. of the Navy, 1959.
15 min., sd., b&w, 16 mm.
Order no. MN 8188-b.
Summary: Shows how to recognize and treat asphyxia, points out some precautions to observe in rescuing asphyxiated persons; demonstrates methods of applying artificial respiration, with emphasis upon the basic elements inherent in all methods.
Borrow from Navy.

First aid for all hands: Bleeding (*Motion picture*) U. S. Dept. of the Navy, 1959.
15 min., sd., b&w, 16 mm.
Order no. MN 8188-c.
Summary: Shows how to recognize and treat injuries involving various kinds of bleeding. Includes examples of life-threatening bleeding. Demonstrates in detail how and when to use the pressure dressing, elevation, or the tourniquet.
Borrow from Navy.

First aid for all hands: Burns (*Motion picture*) U. S. Dept. of the Navy, 1959.
12 min., sd., b&w, 16 mm.
Order no. MN 8188-e.
Summary: Explains how to recognize the severity of a burn. Shows how to give first aid for a thermal or chemical burn; demonstrates how to relieve pain, prevent shock, and prevent infection.
Borrow from Navy.

First aid for all hands: Fractures (*Motion picture*) U. S. Dept. of the Navy, 1959.
24 min., sd., b&w, 16 mm.
Order no. MN 8188-d.
Summary: Shows how to recognize and treat a fracture, with emphasis upon fractures of the extremities, skull, spine, and pelvis. Special attention is given to the care necessary in handling these fractures.
Borrow from Navy.

First aid for all hands: Handling and transporting (*Motion picture*) U. S. Dept. of the Navy, 1959.
13 min., sd., b&w, 16 mm.
Order no. MN 8188-f.
Summary: Outlines the principles for handling and transporting of injured persons.
Borrow from Navy.

First aid for all hands: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1959.
13 min., sd., b&w, 16 mm.
Order no. MN 8188–a.
Summary: Establishes the framework of six films by presenting a systematic approach to the examination of an injured person and by establishing the priority for various first aid treatment procedures.
Borrow from Navy.

First aid for fractures: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1956.
15 min., sd., color, 16 mm.
Order no. MN 8284–a.
Summary: Explains recognition and general first-aid treatment of fractures, with emphasis on fractures of the extremities. Includes descriptions of the basic types of fractures—greenstick, impacted, and comminuted.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid for fractures: Skull, spine, and pelvis (*Motion picture*) U. S. Dept. of the Navy, 1956.
13 min., sd., color, 16 mm.
Order no. MN 8184–b.
Summary: Explains the seriousness of fractures of the skull, spine, and pelvis. Through a series of simulated cases, aboard ship and in the field, depicts specific procedures for recognizing and treating each of these types of fractures.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid for fractures: The Thomas leg splint (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.
8 min., sd., b&w, 16 mm.
Order no. MN 8184–e.
Summary: Demonstrates step-by-step how to apply a Thomas leg splint (half-ring) to immobilize any fracture of the thigh, knee, or leg.
Borrow from Navy. *Buy from* NF.

First aid for fractures: The triangular arm splint (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.
6 min., sd., b&w, 16 mm.
Order no. MN 8184–c.
Summary: Demonstrates step-by-step how to apply a triangular arm splint, and shows how it is employed in combination with a single padded basswood splint for fractures of the upper or lower arm.
Borrow from Navy. *Buy from* NF.

First aid for fractures: The universal leg splint (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.
5 min., sd., b&w, 16 mm.
Order no. MN 8184–d.
Summary: Demonstrates step-by-step how to apply a universal leg splint to fractures of the lower extremity.
Borrow from Navy. *Buy from* NF.

First aid for heat stroke and heat exhaustion (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Herbert Kerkow.
19 min., sd., color, 16 mm.
Order no. MN 8186.
Summary: Demonstrates how to recognize and treat heat stroke and heat exhaustion cases. Designed primarily for use with Navy hospital corpsmen.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid handling and transporting of the injured: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8187–a.
Summary: Reviews the seven principles of proper handling and transporting casualties. Do not move before examining and treating. Keep injured lying down. Handle carefully. Attach record. Use three men to roll or lift. Keep warm. Use stretcher for transport.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid handling and transporting of the injured: Lifelines, improvised stretchers, and carriers (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8187–c.
Summary: Covers special techniques of handling and transporting the injured in emergency situations where standard stretchers are not available. Includes use of lifelines, various improvised stretchers, the fireman's carry, pack-strap carry, tied-hands crawl, collar or clothes drag, three-man carry, and the two-man carry.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid handling and transporting of the injured: Mastering basic techniques (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.
27 min., sd., b&w, 16 mm.
Order no. MN 8187–b.
Summary: Reviews techniques for straightening a seriously injured casualty: rolling, lifting, transporting in the Army litter, and the use of the Stokes and Neil Robertson stretchers.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

First aid series. (U. S. Navy Dept.)
see
The body, part 1
The body, part 2
Burns

The first forty days (*Motion picture*) U. S. Dept. of the Army, 1950.
24 min., sd., b&w, 16 mm.
Order no. MF 45–7761.
Summary: Presents the first 40 days of American combat in Korea, arrival of troops, unloading of supplies and equipment, combat scenes of Generals Walker and Dean, arrival of replacements, combat scenes at Taejon, blowing up bridges, and establishing defense lines.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

First impressions (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.
21 min., sd., b&w, 16 mm.
Order no. MN 1374.
Summary: Emphasizes the importance of first impressions, and demonstrates step-by-step a technique of introducing a new employee to the job.
Borrow from Navy. *Buy from* NF.

First lessons in beekeeping (*Filmstrip*) U. S. Dept. of Agriculture, 1941.
45 fr., b&w, 35 mm.
Order no. 346.
With lecture notes.
Summary: Shows standard equipment for and practical methods of handling bees in the production of honey for home use.
Buy from PhotoLab.

First things first (*Filmstrip*) U. S. Dept. of Agriculture, 1943.
25 fr., b&w, 35 mm.
Order no. 640.
Summary: Shows how to control erosion by means of contouring on land of gentle slopes and by grassed waterways on steeper slopes.
Buy from PhotoLab.

Fish and dams (*Motion picture*) U. S. Army Engineers, 1956.
13 min., sd., color, 16 mm.
Revision of the 1955 motion picture of the same title.
Summary: Depicts the Chinook salmon run from the time fish leave the ocean until they reach upstream spawning grounds in the tributaries of the Middle Snake River in Idaho.
Borrow from Eng. *Cleared for tv.*

Fish cookery with savoir (*Motion picture*) U. S. Fish and Wildlife Service, 1958. Made by Milner Productions.

14 min., sd., color, 16 mm.

Summary: Describes and demonstrates the preparation and cooking of four fish dishes.

Borrow from FWS. Cleared for tv.

Fish inspection. Part 1: North Atlantic fish (*Filmstrip*) U. S. Dept. of the Army, 1956.

50 fr., color, 35 mm and disc: 1 s., 16 in., 33⅓ rpm, 7 min.

Order no. SFS 8-207.

Summary: Shows how fish are inspected, processed, and handled from the time they are caught to their final destination at a military installation. Centers on fish indigenous to North Atlantic waters: cod, haddock, cusk, pollock, and perch. Emphasizes the responsibilities of the veterinary inspector.

Borrow from Army. Buy from NF.

Fishery products standards (*Motion picture*) U. S. Fish and Wildlife Service, 1956. Made by James R. Lee Productions.

14 min., sd., color, 16 mm.

Summary: Explains the importance of maintaining the quality of fish products, and describes the standards for and the grading of fish sticks.

Borrow from FWS. Cleared for tv. Prior authorization required.

The fit of a man's suit (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

30 double fr., b&w, 35 mm.

Order no. 709.

With lecture notes.

Summary: Explains factors to be considered in judging the fit of a man's suit.

Buy from PhotoLab.

Fitting and installing a section of pipe aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1944.

20 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)

Order no. MN 2337-d.

Supplemented by filmstrip with same title.

Summary: How to apply flanges, insert bolts, install pipe hangers, weld a fitted template, apply same principles to wooden and mechanical templates, and set up and install female template aboard ship.

Borrow from Navy. Buy from NF.

Fitting and installing a section of pipe aboard ship (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp.

66 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting)

Order no. SN 2337-p.

Supplements the motion picture of the same title.

Borrow from Navy. Buy from NF.

Fitting and installing packing (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

9 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)

Order no. MN 2341-b.

Summary: How to fit and install packing in the center section of the cradle to support weight where ship is nearly flat.

Borrow from Navy. Buy from NF.

Fitting and scraping small bearings (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

24 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 3)

Order no. OE 26.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to scrape split bearings for shaft fit and alignment; "relieve" a split bearing to aid lubrication; and cut oil grooves in the cap of a split bearing.

Buy from NF.

Fitting and scraping small bearings (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

50 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 3)

Order no. OE 26-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Fitting dresses (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

31 double fr., color, 35 mm.

Order no. C-13.

Summary: Explains how to make simple alterations and correct the more common dress-fitting problems.

Buy from PhotoLab.

Fitting of the Army green uniform (*Motion picture*) U. S. Dept. of the Army, 1957.

35 mm., sd., b&w, 16 mm.

Order no. TF 10-2426.

Summary: Defines the approved concept of fit of the Army green uniform, giving detailed instruction on the technique of fitting each garment—shirts, trousers, coats, capes, and overcoats; the try-on method of fitting; the economy of finding the model of each garment which will require the least amount of alteration; and authorized alterations. Primarily for Quartermaster clothing fitters.

Borrow from Army.

Fitting tube, shaft, and propeller (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

29 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 9. Laying out and installing stern tube, tail shaft, and propeller, no. 4)

Order no. OE 342.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How the stern tube and tail shaft are installed; how the propeller is swung into position and lined up; how the fairwater cap and rope guard are installed; and how the tail-shaft assembly is secured for launching.

Buy from NF.

Fitting tube, shaft, and propeller (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

58 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 9. Laying out and installing stern tube, tail shaft, and propeller, no. 4)

Order no. OE 342-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Five keys (*Motion picture*) U. S. Post Office Dept., 1956. Made by Byron, inc.

20 min., sd., b&w, 16 mm.

Summary: Deals with inter-personal relationships, particularly those between supervisors and subordinates. For use by postal supervisors.

Borrow from PO. Cleared for tv.

Five ladders to the bridge (*Motion picture*) U. S. Dept. of the Navy, 1962.

28 min., sd., color, 16 mm.

Order no. MN 8963

Summary: A recruiting film designed to assist Navy recruiters in selecting prospective enlisted men for officer candidates in the U. S.

Borrow from Navy. Buy from NF. Cleared for tv.

Fixed bridge construction and repair in the CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

11 min., sd., b&w, 16 mm.

Order no. FB 5-192.

Summary: Shows how U. S. Army engineers built and repaired fixed bridges in the China-Burma-India theater of operations during World War II.

Borrow from Army. Buy from NF.

Fixed gages (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.
17 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 3)
Order no. OE 3.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Types and uses of gages for precision measurement—snap, ring, plug, taper plug, taper ring, flush pin, and screw plug gages.
Buy from NF.

Fixed gages (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
35 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 3)
Order no. OE 3–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Flame spraying of thiokol (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.
22 min., sd., color, 16 mm.
Order no. MN 7976.
Summary: Shows the equipment used in flame spraying of thiokol, preparation of the surfaces, the proper technique for spraying, and various test procedures.
Borrow from Navy. Buy from NF.

Flat surfaces series
see Optical craftsmanship series. Flat surfaces

The fleet that came to stay (*Motion picture*) U. S. Dept. of the Navy, 1945.
22 min., sd., b&w, 16 mm.
Order no. MN 5802.
Summary: Explains the invasion of Okinawa from the U. S. Navy point of view and illustrates the operation by scenes of the combat.
Borrow from Navy. Buy from NF. Cleared for tv.

Flexion exercises in the management of low back mechanical disorders (*Motion picture*) U. S. Veterans Administration, 1956.
39 min., sd., color, 16 mm.
Summary: Reviews various treatments for low-back mechanical disorders; describes the use of a set of flexion exercises for patients with herniated or bulging discs, spur formations on vertebrae, spondylolisthesis, postural backache, several congenital anomalies, and in postoperative care. Emphasizes that flexion exercises are a contribution to the total knowledge of low-back mechanical disorders rather than a definitive treatment.
Borrow from VA. Buy from NF.

Flight instruments (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
91 fr., b&w, 35 mm.
Order no. SN 806.
Summary: Explains the operation of instruments relating to flight, their basic construction, common causes of faulty readings, and compensations required for altitude and temperature factors.
Borrow from Navy.

Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or +-tails (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
12 min., si., color, 16 mm.
Order no. L–146.
Summary: Shows behavior of four configurations of a model representing propeller-driven fighter-type vertically-rising airplanes in take-off, landing, and hovering flight tests conducted in a hovering flight test facility. Also shows model tests of transition from hovering to normal forward flight in a full-scale wind tunnel. A record film for technical personnel, to be used with NACA Technical note 3812, Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or + - tails.
Borrow from NASA.

Flight line safety (*Motion picture*) U. S. Dept. of the Army, 1962.
20 min., sd., color, 16 mm.
Order no. TF 46–3105
Summary: Explains rules and procedures to be observed by aircraft mechanics when performing maintenance tasks in order to prevent accidents and to insure the safety of men and equipment. Illustrates the human faults of overconfidence, recklessness, and carelessness as common causes of typical accidents.
Borrow from Army. Buy from NF. Cleared for tv.

Flight safety series
see
Bailing out
Hazards in ground operation of jet aircraft

Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.
13 min., si., color, 16 mm.
Order no. L–42.
Summary: Shows results of stability and control tests of a model resembling the Ryan X–13 vertijet airplane during constant-altitude transition from hovering to forward flight. The flights are made in a full-scale wind tunnel. For technical personnel, to be used with NACA Research memorandum L55B17: Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan.
Borrow from NASA.

Flight tests of a model of a high-wing transport vertical-take-off airplane with tilting wing and propellers and with jet controls at the rear of the fuselage for pitch and yaw control (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
10 min., si., color, 16 mm.
Order no. L–199.
Summary: Records the results of stability and control tests in a full-scale wind tunnel of a remotely controlled free-flight model of a concept of a high-wing four-engine transport vertical-take-off airplane during constant-altitude transitions from hovering to normal forward flight. For technical personnel to be used with NACA Technical note 3912: Flight tests of a model of a high-wing transport vertical-take-off airplane with tilting wing and propellers and with jet controls at the rear of the fuselage for pitch and yaw control.
Borrow from NASA.

Flight tests of a 0.4-scale model of a stand-on type vertically rising aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.
6 min., si., b&w, 16 mm.
Summary: Shows preliminary free-flight tests of the stability and control of a remotely controlled model of a proposed light-weight, man-carrying, vertically rising research aircraft of a stand-on type. For technical personnel, to be used with NACA Research memorandum L54B16b: Flight tests of a 0.4-scale model of a stand-on type of vertically rising aircraft.
Borrow from NASA.

Flight through instruments: Basic instrument flying (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Polaris Pictures.
24 min., sd., b&w, 16 mm.
Order no. MN 6773–a.
Summary: Shows a pilot how to use the instrument panel as a lens or window through which he "sees" the airplane in its relation to the three dimensions in which it travels. Illustrates the instruments that are now standard equipment in modern planes and explains how to use them.
Borrow from Navy. Buy from NF. Cleared for tv.

Flight through instruments: Enroute procedures (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.
25 min., sd., b&w, 16 mm.
Order no. MN 6773–b.
Summary: A narrative treatment of three IFR (instrument flight rules) flights converging on Los Angeles International Airport during instrument conditions. Designed to familiarize the naval aviator with CAA instrument flight rules, the air route traffic control center, and approach control. Emphasis is placed on holding, radio failure, and missed approach.
Borrow from Navy. Buy from NF. Cleared for tv.

Flight through instruments: Terminal procedures (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.

21 min., sd., b&w, 16 mm.

Order no. MN 6773–c.

Summary: A narrative treatment of an IFR (instrument flight rules) flight in a Navy plane from Corpus Christi to Litchfield Park designed to familiarize the naval aviator with CAA instrument flight rules, the air route traffic center, and approach control. Emphasis is placed on pre-flight action, air traffic clearance, on airways IFR flight, and cancelling IFR flight.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Before you fly (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

14 min., sd., b&w, 16 mm.

Order no. MN 7398–a.

Summary: Shows the basic pilot preflight check using the SNJ-6 trainer; stresses the pattern to be used by pilots in inspecting their aircraft prior to flying. Demonstrates how to leave the line, taxi, and return to the line, and how to start and stop the engine.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Crosswind approaches, landings, and take-offs (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

8 min., sd., b&w, 16 mm.

Order no. MN 7398–c.

Summary: Explains principles of crosswind crabbing, and approach and landing techniques.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Emergencies (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

9 min., sd., b&w, 16 mm.

Order no. MN 7398–d.

Summary: Illustrates high altitude and low altitude emergency procedures as taught in the SNJ–6 basic trainer.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Fundamentals of formation flying, three plane and four plane (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

25 min., sd., b&w, 16 mm.

Order no. MN 7398–i.

Summary: Explains to the student naval aviator the basic fundamentals of formation flying. Shows formation maneuvers in plane photography, animation, and student's eye view sequences starting with rendezvous through break-up. Based upon three- and four-plane sections using SNJ–6 aircraft.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Small fields (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

11 min., sd., b&w, 16 mm.

Order no. MN 7398–e.

Summary: Demonstrates the small field pattern; emphasizes the no. 1 and no. 2 positions and approaches from these positions; and shows the effect of wind and the importance of crosswind gliding.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Takeoffs, approaches, and landings (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

14 min., sd., b&w, 16 mm.

Order no. MN 7398–b.

Summary: Demonstrates basic approach, landing, and take-off techniques to student aviators.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: The barrel roll (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.

9 min., sd., b&w, 16 mm.

Order no. MN 7398–h.

Summary: Explains to student pilots the overall pattern and positions of the SNJ aircraft in the barrel roll. Shows specific relationships of the plane to ground check points during clearing turns, initial starting point, 45° position, inverted position, and recovery.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: The wingover roll (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.

11 min., sd., b&w, 16 mm.

Order no. MN 7398–g.

Summary: Explains to student pilots the overall pattern and positions of the SNJ aircraft in the wingover roll. Shows specific relationships of the plane to ground check points during clearing turns, initial starting point, 45° position, 90° inverted position, and recovery.

Borrow from Navy. Buy from NF. Cleared for tv.

Flight training: Wingovers and chandelles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

13 min., sd., b&w, 16 mm.

Order no. MN 7398–f.

Summary: Shows the performance of wingovers and chandelles, stressing the reasons for these maneuvers and how a student can learn to coordinate controls through practicing these maneuvers.

Borrow from Navy. Buy from NF. Cleared for tv.

Flipper returns (*Motion picture*) U. S. Dept. of Agriculture, 1955.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 4, no. 2)

Summary: An animated cartoon in which Jack-the-Flipper returns to his careless habits of starting forest fires and is warned by Smokey Bear. For television use.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Floating drydocks: Careening the YFD-6 (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., b&w, 16 mm.

Order no. MN 9042.

Summary: Shows the method of tipping an 18,000 ton yard floating dock on its beam to provide passage through the Panama Canal, and explains the need for this type of careening where docks have a wider beam than the width of the canal.

Borrow from Navy. Buy from NF. Cleared for tv.

Floating fortress (*Motion picture*) U. S. Dept. of the Navy, 1952.

14 min., sd., b&w, 16 mm.

Order no. MN 7834.

Summary: Portrays a day's activities aboard a U. S. battleship off the coast of Korea, including bombardment of enemy positions along the shore, and living conditions and habits of officers and crew.

Borrow from Navy. Cleared for tv.

A flocculation test for trichinosis (*Filmstrip*) U. S. Public Health Service, 1956.

85 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.

Order no. F 242.

Summary: Shows the materials used and complete procedures for the modified bentonite flocculation test, including reconstitution of the bentonite, preparation of the antigen, standardization of the reagents, and typical appearance of the flocculated particles. For laboratory technicians.

Borrow from PHS. *Buy from NF.*

Flood fighting methods (*Motion picture*) U. S. Army Engineers, 1959.

28 min., sd., color, 16 mm.

Summary: Discusses the position and policy of the Corps of Engineers in a flood fight. Shows actual flood fight situations and describes the solution to these problems in a flood-fighting school.

Borrow from Eng. *Cleared for tv.*

Flood weather (*Motion picture*) U. S. Weather Bureau, 1937.

31 min., sd., b&w, 16 mm.

Summary: Explains weather forecasting for river navigation and flood protection. Includes scenes of the Potomac flood, 1936, and the Ohio flood, 1937.

Borrow from WB. *Buy from* NF.

Floor molding series
see Foundry practice series. Floor molding

The flow process chart and how to use it (*Motion picture*) U. S. Office of Scientific Research and Development, 1945. Released for public educational use through U. S. Library of Congress, 1947, and U. S. Office of Education, 1951.

15 min., sd., color, 16 mm.

Summary: Shows the use of a flow process chart in the study and application of work simplification, the meaning of the symbols used on such a chart, and the use of the chart in analyzing the relatively simple job of shaving.

Buy from NF.

Flue gas analysis (Orsat apparatus) (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

19 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 367.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up the Orsat gas analyzer; collect an air-free sample of flue gas; absorb and measure the amounts of carbon dioxide, oxygen, and carbon monoxide in the sample; and calculate the amount of nitrogen.

Buy from NF.

Flue gas analysis (Orsat apparatus) (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

43 fr., b&w, 35 mm. (Engineering series)

Order no. OE 367–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The fluid coupling, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1954.

13 min., sd., b&w, 16 mm. (Hydramatic transmission series)

Order no. TF 9–1953.

Revision of the 1943 film with the title Theory and principles of operation, fluid coupling and gear train.

Summary: Explains the fluid coupling, its component parts, and operation.

Borrow from Army. *Buy from* NF.

Fluoridation (*Motion picture*) U. S. Public Health Service, 1952.

5 min., sd., color, 16 mm.

Summary: Describes the research on which fluoridation is based, the benefits obtained by adding fluoride to community water supplies, and the method of adding fluoride. Uses the filmograph technique.

Borrow from PHS. *Buy from* NF.

Fluoridation story (*Motion picture*) U. S. Public Health Service, 1951.

3 min., sd., color, 16 mm.

Summary: Explains that communities can reduce tooth decay by adding sodium fluoride to the water supply, and emphasizes the economy and simplicity of doing so. Uses the filmograph technique.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Fly control through basic sanitation (*Motion picture*) U. S. Public Health Service, 1950.

9 min., sd., color, 16 mm. (Community fly control series)

Order no. 4–090.

Summary: Shows conditions which favor fly breeding in a community—filth, warmth, moisture, and time for development; and outlines specific procedures in urban and rural areas for basic sanitation programs, particularly the elimination of open garbage and refuse dumps.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Fly density surveys by the grill method (*Motion picture*) U. S. Public Health Service, 1949.

6 min., sd., color, 16 mm. (Community fly control series)

Order no. 4–066.

With film guide.

Filmstrip of the same title also available.

Summary: Explains the nature, construction, and use of the fly grill for measuring fly density.

Borrow from PHS. *Buy from* NF.

Fly density surveys by the grill method (*Filmstrip*) U. S. Public Health Service, 1949.

28 fr., color, 35 mm. (Community fly control series)

Order no. 5–133.

With film guide.

Motion picture of the same title also available.

Borrow from PHS.

Flying follies (*Motion picture*) U. S. Army Air Forces, 1945.

30 min., sd., b&w., 16 mm.

Order no. TF 1–4038.

Summary: Shows how aircraft accidents occur and illustrates measures to be taken to avoid such accidents.

Borrow from AF. *Cleared for tv.*

Flying in a pressure cabin (*Motion picture*) U. S. Dept of the Navy, 1954. Made by Polaris Pictures.

20 min., sd., color, 16 mm.

Order no. MN 8615.

Summary: Presents instructions concerning the proper operation of aircraft pressurization and air conditioning systems and emergency procedures to be followed in the event of loss of cabin pressure.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Flying safety report no. 5 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

22 min., sd., b&w, 16 mm.

Order no. FR 78

Summary: Presents a comprehensive outline of the aircraft and missile accident prevention program for 1960.

Borrow from AF.

Flying soldiers (*Motion picture*) U. S. Dept. of the Army, 1958.

30 min., sd., b&w, 16 mm.

Order no. MF 46–8098.

Summary: Explains the purpose and application of the new concept of Army tactical mobility through Army aviation; reviews the use and capabilities of the helicopter and fixed-wing aircraft; and shows the techniques employed to paradrop supplies, lay wire, and transport missiles and launching equipment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Flying the weather map: The howgozit chart (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

13 min., sd., color, 16 mm.

Order no. MN 3112–b.

Summary: Explains the purpose of the "howgozit" chart and shows how a Navy flight control officer plots the expected fuel consumption and the navigator checks consumption during flight.

Borrow from Navy. *Buy from* NF.

Flywheel clutch and starting engine clutch (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

8 min., sd., b&w, 16 mm. (Operator's adjustments, D–7 tractor, no. 3)

Order no. TF 5–1828.

Summary: Explains methods of detecting and adjusting malfunctioning of the flywheel clutch and the starting engine clutch.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Foaming the runway (*Motion picture*) U. S. Dept. of the Navy. 1960.
21 min., sd., color, 16 mm.
Order no. ONR 4-60.
Summary: A study of the effectiveness of a carpet of foam preventing fires in crash landings. Describes tests under simulated crash conditions. Discusses the effectiveness of foam in suppressing the ignition of fuel as the heated metal and fuel are dragged through a layer of foam deposited on the runway.
Borrow from Navy. Buy from NF. Cleared for tv.

Folding a filter paper
see Chemical techniques: Folding a filter paper

Follow me (*Motion picture*) U. S. Dept. of Defense, 1953.
21 min., sd., b&w, 16 mm.
Order no. RTAF 150.
Summary: Explains and illustrates the functions and operations of the U. S. Army Infantry School at Fort Benning, Ga.
Borrow from Army. Buy from NF. Cleared for tv.

Fontana Dam (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Sam Orleans Associates.
21 min., sd., color, 16 mm.
Summary: Record of engineering processes used in construction of Fontana Dam across the Little Tennessee River in the Great Smoky Mountains of North Carolina. Primarily for technical use.
Borrow from TVA. Buy from TVA. Cleared for tv.

Food and soil (*Motion picture*) U. S. Dept. of Agriculture, 1945.
11 min., sd., color, 16 mm.
Summary: Highlights of soil conservation with emphasis upon the relationship between productive soil and food supply.
Rent from DA film libraries. Buy Cleared for tv.

Food conservation: The dollars and sense of good eating (*Motion picture*) U. S. Dept. of the Army, 1956.
9 min., sd., b&w, 16 mm.
Order no. TF 10-2244.
Summary: Using familiar mess hall and chow line scenes, points out that soldiers should not take more food than they intend to eat.
Borrow from Army. Buy from NF. Cleared for tv.

Food costs (*Filmstrip*) U. S. Dept. of Agriculture, 1961.
18 fr., color, 35 mm.
Order no. C-80
With lecture notes.
Summary: Explains the relationship between retail prices, farm prices, and marketing spreads, and discusses their part in overall prices paid by the consumer.
——— Another issue. double fr.
Buy from Photo Lab.

Food for fitness (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
24 double fr., color, 35 mm.
Order no. C-68.
With lecture notes.
Summary: Discusses a daily food guide developed by nutritionists of the U. S. Department of Agriculture which makes it easy to select nutritious meals based on four kinds of food—milk, meat or alternate, vegetables and fruits, breads and cereals. Shows examples of suggested foods and illustrates typical meals.
Buy from PhotoLab.

Food for thought (*Motion picture*) U. S. Dept. of Defense, 1947.
8 min., sd., b&w, 16 mm.
On reel with No place like home.
Order no. AFSR 88.
Summary: Explains the importance of food conservation by soldiers.
Borrow from Army. Buy from NF.

Food for thought (*Motion picture*) U. S. Fish and Wildlife Service, 1950. Made by Sun Dial Films.
15 min., sd., color, 16 mm.
Summary: Illustrates planning, purchasing, cooking, displaying, and serving techniques used in a school lunch program.
Borrow from FWS. Buy from NF. Cleared for tv. Prior authorization required.

Food handling series
see
Basic principles of kitchen layout
Basic principles of refrigeration
Food preparation
Kitchen habits
An outbreak of Salmonella infection
Refrigerated food storage principles
Structural standards for restaurants

Food inspection: Oysters (*Filmstrip*) U. S. Dept. of the Army, 1954.
62 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-208.
Summary: Describes what happens to an Armed Forces purchase of oysters from the time that the oysters are delivered to an oyster processing plant to their acceptance at a military installation.
Borrow from Army. Buy from NF.

Food is a bargain (*Filmstrip*) U. S. Dept. of Agriculture, 1961.
19 fr., color, 35 mm.
Order no. C-83
With lecture notes.
Summary: Compares food costs, services, and marketing for 1951-1961.
——— Another issue. double fr.
Buy from Photo Lab.

Food marketing education for consumers (*Filmstrip*) U. S. Dept. of Agriculture, 1951.
21 fr., b&w, 35 mm.
Order no. 665.
With lecture notes.
Summary: Shows methods used—publications, press, posters, radio, etc.—by the New England Extension Services in providing food marketing information for consumers.
Buy from PhotoLab.

Food preparation (*Motion picture*) U. S. Public Health Service, 1954.
13 min., sd., color, 16 mm. (Food handling series)
Order no. M 148-d.
Summary: Portrays cooking operations in preparing a typical meal in a medium-sized restaurant and emphasizes the important sanitary precautions taken by the kitchen personnel in the preparation and handling of the food.
Borrow from PHS. Buy from NF. Cleared for tv. Prior authorization required.

Food preparation and service (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Depicto Films.
20 min., sd., b&w, 16 mm.
Order no MN 9228.
Summary: Explains food preparation and service in the U. S. Navy by illustrating such preparation and service in a typical dinner aboard ship. Emphasizes that good practices are reflected in good quality, health, and morale, and lower food costs.
Borrow from Navy. Buy from NF. Cleared for tv.

Food preservation series
see Farm work series. Food preservation

Food sanitation. Part 1: Construction of building (*Filmstrip*) U. S. Public Health Service, 1954.
34 fr., color, 35 mm.
Order no. F 148–k (1)
Issued also as a set of 2 x 2-inch slides.
Summary: Illustrates various degrees of acceptability and nonacceptability of restaurant construction according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
Borrow from PHS.

Food sanitation. Part 2: Utensils and equipment (*Filmstrip*) U. S. Public Health Service, 1954.
36 fr., color, 35 mm.
Order no. F 148–k (2)
Issued also as a set of 2 x 2-inch slides.
Summary: Illustrates various degrees of acceptability and nonacceptability of utensils and equipment for restaurants according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
Borrow from PHS.

Food sanitation. Part 3: Washing and storage (*Filmstrip*) U. S. Public Health Service, 1954.
65 fr., color, 35 mm.
Order no. F 148–k (3)
Issued also as a set of 2 x 2-inch slides.
Summary: Illustrates various degrees of acceptability and nonacceptability of washing and storage procedures for restaurants according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
Borrow from PHS.

Food sanitation. Part 4: Refrigeration and food handling (*Filmstrip*) U. S. Public Health Service, 1954.
48 fr., color, 35 mm.
Order no. F 148–k (4)
Issued also as a set of 2 x 2-inch slides.
Summary: Illustrates various degrees of acceptability and nonacceptability of methods of food refrigeration and food handling according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
Borrow from PHS.

Food storage (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.
12 min., sd., b&w, 16 mm. (The stowaway series, no. 3)
Order no. TF 8–1508.
Summary: Depicts the careful inspection of food by the U. S. Army Veterinary Corps, the Bureau of Animal Industry, and the Port Food Service Inspector before procurement and use aboard troop transports; and shows facilities for food storage and preservation of food.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

For a bright home life (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
38 min., sd., b&w, 16 mm.
Summary: Portrays projects undertaken by two Japanese schoolgirls enrolled in a domestic science class in Japan in order to modernize the kitchens in their rural homes. Prepared for use in occupied areas, particularly in Japan.
Buy from NF.

For which we stand series
see
The golden moment
To be held in honor

For your own (*Motion picture*) U. S. Dept. of the Air Force, 1960.
20 min., sd., b&w, 16 mm.
Order no. TF 1–5336.
Summary: Portrays the Air Force mortuary program in the continental United States and the procedures followed in case of a death overseas.
Borrow from AF.

Forced landings (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
71 fr., b&w, 35 mm.
Order no. FS 1–11.
Summary: Reviews common causes of forced landings, and explains procedures to be followed in making forced landings under various conditions.
Borrow from AF.

Forceps deliveries series
see
Barton forceps

Classical instruments and technique of forceps application

Forceps management of face presentations

Keilland forceps for transverse and posterior positions

Piper forceps (for the aftercoming head)

Prerequisites for forceps deliveries

Traction with classical forceps emphasizing axis-traction principle

Transverse arrest

Forceps management of face presentations (*Motion picture*) U. S. Dept. of the Army, 1963.
10 min., sd., color, 16 mm (Forceps deliveries, no. 6)
Order no. PMF 5302
Summary: A clinical demonstration of the application of the Keilland forceps for management of face presentations in delivery, covering insertion of blades, rotation, traction, and maneuver. Shows proper removal of blades and emphasizes the advantages of instrumental management of face presentations over manual management.
Borrow from Army. *Buy from* NF.

Forces in flight (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.
72 fr., b&w, 35 mm.
Order no. SN 897.
Summary: Explains the aerodynamic forces acting on the wing in relation to control surfaces and center of gravity.
Borrow from Navy.

Forces in reserve (*Motion picture*) U. S. Dept. of the Air Force, 1963.
28 min., sd., color, 16 mm.
Order no. SFP 1127
Summary: Portrays the role of the U. S. Air Reserve Forces in the maintenance of peace in the free world. Depicts the deployment of reservists to Europe and their integration with USAFE during the 1961 Berlin crisis, redeployment to the States, and return to civilian life.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Fore poppets and internal shoring construction (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
26 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341–a.
Supplementary filmstrip of same title also available.
Summary: Demonstrates the construction of fore poppet and internal shoring, installation of sling plates, crushing blocks and strips, packing timbers, angle brackets, and all sections of internal shoring; and explains the importance of snug fit proper support.
Borrow from Navy.

Fore poppets and internal shoring construction (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

75 fr., b&w, 35 mm. (Shipbuilding skills series. Preparation for stern launching)

Order no. SN 2341–m.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Foregut cyst of the esophagus (*Motion picture*) U. S. Veterans Administration, 1958.

13 min., sd., color, 16 mm.

Summary: A case of foregut cyst of the esophagus is filmed and narrated, covering anatomy and embryology of lesion, treatment, pathology, and result.

Borrow from VA.

Foreign bodies in the pericardium and heart (*Motion picture*) U. S. War Dept., 1946.

50 min., sd., color, 16 mm. (Thoracic surgery, no. 3)

Order no. PMF 5018.

Summary: Describes the diagnostic planning, surgical procedures, and postoperative techniques involved in removing foreign bodies from the pericardium and the heart. For medical personnel.

Borrow from Army.

Foreign marketing (*Motion picture*) U. S. Dept. of Agriculture, 1962.

13 min., sd., color, 16 mm.

Summary: Illustrates the agricultural products of the United States which are being marketed throughout the world.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Foreign object ingestion into turbine engines by vortices (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

7 min., sd., b&w, 16 mm.

Summary: A record of the ingestion into turbine engines of foreign objects by vortices formed between engine inlet and ground surface, in an investigation conducted at NACA Lewis Flight Propulsion Laboratory, Cleveland, Ohio, with a 5000-pound-thrust axial-flow jet engine operated at atmospheric temperature and pressure conditions normally existent at the laboratory ground (760 feet above sea level) For technical personnel, to be used with NACA Technical note 3330: Ingestion of foreign objects into turbine engines by vortices.

Borrow from NASA.

The forest (*Motion picture*) U. S. Dept. of Agriculture, 1960.

29 min., sd., color, 16 mm.

Summary: Discusses the multiple use benefits to be obtained from our national forests. Shows how water is conserved; how timber grows, is harvested and replenished; how range and wildlife flourishes; and how mankind may enjoy the natural beauty and healthful recreation available. Pictures trail riding in the wilderness, family picnics beside trout streams, skiing on snowy slopes, wildlife in its native habitat, cattle grazing on mountain meadows, tall trees ready for harvesting, and new healthy tree plantations.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

The forest (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

47 fr., color, 35 mm.

Order no. C–89

Summary: Explains the multiple uses of national forests for water, timber, forage, wildlife, and recreation.

Buy from Photo Lab.

Forest blessings (*Motion picture*) U. S. Dept. of Agriculture, 1958.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 1)

Summary: An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.

Rent from DA film libraries. *Cleared for tv.*

Forest care (*Motion picture*) U. S. Dept. of Agriculture, 1958.

20 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 3)

Summary: An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.

Rent from DA film libraries. *Cleared for tv.*

Forest disaster (*Motion picture*) U. S. Dept. of Agriculture, 1957.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 2)

Summary: An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Forest fire fighting in the South (*Motion picture*) U. S. Dept. of Agriculture, 1945.

41 min., sd., color, 16 mm.

Summary: Shows types and uses of fire tools, and demonstrates proper tactics for forest fire fighting in the South.

Rent from DA film libraries.

Forest friends (*Motion picture*) U. S. Dept. of Agriculture, 1958.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 2)

Summary: An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.

Rent from DA film libraries. *Cleared for tv.*

Forest in a museum (*Motion picture*) U. S. Dept. of Agriculture, 1962.

11 min., sd., color, 1962.

Summary: Pictures the "Beaver National Forest," an exposition prepared by the U. S. Forest Service at the Ghost Ranch Museum in Abiquiu, New Mexico. Displays the uses of forests through small scale models, and shows views of living animals and birds on exhibit at the museum.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

The Forest Service engineer (*Motion picture*) U. S. Dept. of Agriculture, 1959.

24 min., sd., color, 16 mm.

Summary: Describes the work of the Forest Service engineers—men who share with forest rangers the responsibility of managing, protecting, and developing the resources of the national forests.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Forest smokechaser (*Motion picture*) U. S. Dept. of Agriculture, 1948.

27 min., sd., color, 16 mm.

Summary: Shows how a fire lookout or "smokechaser" in the western part of the United States handles a small lightning fire from spotting to final clean-up.

Rent from DA film libraries.

Forestry and human welfare (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

50 fr., b&w, 35 mm.

Order no. 506.

With lecture notes.

Summary: Shows how forests contribute to the grazing of livestock, protection of game, conservation of water supply, and provision of recreational facilities.

Buy from PhotoLab.

Forge welding (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

12 min., sd., b&w, 16 mm. (Farm work series. Forging, no. 2)

Order no. OE 192.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to maintain a clean, deep, hot fire; heat mild steel for forging; upset and scarf round stock; make a lap weld; and shape and hammer refine the weld.

Buy from NF.

Forge welding (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

26 fr., b&w, 35 mm. (Farm work series. Forging, no. 2)

Order no. OE 192-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Forging series
see Farm work series. Forging

Forging with a hand forge (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

13 min., sd., b&w, 16 mm. (Farm work series. Forging, no. 1)

Order no. OE 191.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to clean the tuyere and build an open fire in a forge; lay out and mark the stock; heat mild steel for forging; and forge an eye.

Buy from NF.

Forging with a hand forge (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

48 fr., b&w, 35 mm. (Farm work series. Forging, no. 1)

Order no. OE 191-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Form blocks and forming (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

67 fr., b&w, 35 mm.

Order no. SN 1037.

Summary: Shows how to shape metal with forming blocks and how to use dies for flanging, making hollows, and forming joggles.

Borrow from Navy. *Buy from* NF.

Forming on a hand operated brake (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 3)

Order no. OE 134.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up the brake for bend angle and bend radius; operate the brake; check test pieces and finished work.

Buy from NF.

Forming on a hand operated brake (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

51 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 3)

Order no. OE 134-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Forming on rotary machines (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 2)

Order no. OE 290.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to form sheet-metal parts on the slip-roll machine and on the beading-roll machine.

Buy from NF.

Forming on rotary machines (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

38 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 2)

Order no. OE 290-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Forming on the stretching machine (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 6)

Order no. OE 251.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to form a skin panel on the stretch press; set up the machine; make necessary adjustments for a production run; and handle the run.

Buy from NF.

Forming on the stretching machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

36 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 6)

Order no. OE 251-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Forming sheet metal series
see Aircraft work series. Forming sheet metal

Forming with a drop hammer (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 5)

Order no. OE 291.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Purpose of drop hammer forming; how to operate the pneumatic hammer; set up the punch and die; handle a production run on a single-hit job; and use draw rings on a deep-draw job.

Buy from NF.

Forming with a drop hammer (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

41 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 5)

Order no. OE 291-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Forming with rubber on the hydraulic press (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

11 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 1)

Order no. OE 133.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How sheet metal parts are formed with rubber on a hydraulic press; how to set up the work, and operate the press.

Buy from NF.

Forming with rubber on the hydraulic press (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

37 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 1)

Order no. OE 133-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Formosa (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFIF 30.
Summary: Explains the historical background and the current social, economic, and military status of Formosa, including its significance in world affairs. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army. *Cleared for tv.*

Formulas
see Beginning algebra I, lecture 3: Formulas

Fort Churchill: Springboard for science (*Motion picture*) U. S. Dept. of the Army, 1960.
13 min., sd., color, 16 mm.
Order no. MF 45-9506.
Summary: Describes the construction of the various rocket launching facilities, range installations, power installations, radar stations, electronic instrumentation, meteorological stations, and the personnel and equipment of the Rocket Firing Base at Fort Churchill, Canada. Explains that the construction of the base in 1956, primarily for the purpose of conducting upper air experiments, was made possible through the cooperation of American and Canadian scientists.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

40th anniversary of the establishment of the Naval Aircraft Factory (*Motion picture*) U. S. Dept. of the Navy, 1957.
18 min., sd., b&w, 16 mm.
Order no. MN 8737.
Summary: History of the Naval Aircraft Factory in Philadelphia between the years 1917 through 1957.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The forward air controller (*Motion picture*) U. S. Dept. of the Air Force, 1960.
20 min., sd., b&w, 16 mm.
Order no. TF 1-5258.
Summary: Shows how the forward air controller, through radio transmission, reports to Tactical Air Force Commander and contacts pilots to direct and control U. S. Air Force aircraft in close proximity to friendly ground forces. Explains that the controller maintains advance identification of enemy positions and weapons systems, that it knows aircraft, ordnance, and weapon delivery systems, and that it is an expert on sure, safe, accurate delivery of airborne troops and firepower.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Foundation explorations (*Motion picture*) U. S. Army Engineers, 1951.
16 min., sd., color, 16 mm.
Summary: Shows conventional small-diameter and large-diameter drilling of core holes at a table rock dam site.
Borrow from Eng. *Cleared for tv.*

Foundations and concrete (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
26 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719-a.
Summary: Presents a brief overview of building foundations, usually made of concrete; and mentions variables which determine type of foundations to be used.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Foundry practice series. Bench molding
see
Making a simple core
Molding part having a vertical core
Molding with a gated pattern
Molding with a loose pattern
Molding with a split pattern

Foundry practice series. Floor molding
see
Molding a horizontal cored part
Molding a valve body
Molding part with deep green sand core
Molding with a loose pattern; floor
Molding with a three part flask

Foundry practice series. Machine molding
see
Molding on a jolt roll-over pattern draw machine
Molding on a jolt squeeze machine

Foundry work series. Melting practice
see
Charging and operating a cupola
Preparing a cupola for charging

Four experiments in hydraulics (*Motion picture*) U. S. National Bureau of Standards, 1953.
16 min., sd., color, 16 mm.
Summary: Describes and illustrates four experiments in hydraulics, namely: a laboratory study of the causes of wave energy dissipation; a study of the forward motion of a wave caused by the breaking of a dam; an investigation of turbulent diffusion of momentum, heat, and salinity in a submerged liquid jet; and an experiment showing how density currents are reproduced for study in the laboratory. For groups interested in hydraulics research.
Borrow from NBS. *Buy from* NBS.

4-H Club work in the U. S. A. (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
52 fr., b&w, 35 mm.
Order no. 698.
With lecture notes.
Summary: Shows examples of 4-H Club activities throughout the United States.
Buy from PhotoLab.

The 4-H junior leader (*Filmstrip*) U. S. Dept. of Agriculture, 1962.
28 fr., color, 35 mm. (Leadership development series)
Order no. C-86
Summary: Assists in the recruitment and development of 4-H junior leaders.
Buy from Photo Lab.

The 4-H project leader (*Filmstrip*) U. S. Dept. of Agriculture, 1962.
28 fr., color, 35 mm. (Leadership development series)
Order no. C-84
Summary: Assists in the recruitment and development of adult 4-H project leaders.
Buy from Photo Lab.

The four steps (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
78 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (On-the-job supervision series, no. 4)
Order no. SFS 80-5.
Summary: Presents a four point system for instructing new employees: prepare the worker, present the operation, try out performance, and follow up. Dramatizes each point.
Borrow from Army. *Buy from* NF.

The four stroke cycle internal combustion engine, part 1 (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
39 fr., b&w, 35 mm.
Order no. SCG 154, formerly SG 1764-a.
Summary: Shows the basic principles of four-cycle combustion engines with particular reference to cylinder pistons, crankshaft, and flywheel.
Buy from NF.

The four stroke cycle internal combustion engine, part 2 (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

44 fr., b&w, 35 mm.

Order no. [illegible]G 154–a, formerly SG 1764–b.

Summary: Shows the basic principles of four-cycle combustion engines with particular reference to valve mechanisms, crankshaft, mechanical timing, and differences in basic cylinder head designs.

Buy from NF.

Fourteen carrots (*Motion picture*) U. S. Dept. of Agriculture, 1952.

5 min., sd., color, 16 mm. (Consumer education shorts)

Summary: Explains the selection, care, and uses of carrots. Produced especially for use on television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The fourth man: The civilian behind the soldier (*Motion picture*) U. S. Dept. of the Army, 1955.

9 min., sd., b&w, 16 mm.

Order no. MF 61–8414.

Summary: Discusses and illustrates the need for and the role played by civilians in the U. S. Army. Prepared for orientation of Army civilian and military personnel.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fractional equations
see Beginning algebra II, lecture 7 [–8]:
Fractional equations

Fractions, fundamental operations
see Beginning algebra II, lecture 5 [–6]:
Fractions, fundamental operations

Fractures about the elbow (*Motion picture*) U. S. Veterans Administration, 1954. Made by Churchill-Wexler Film Productions.

30 min., sd., color, 16 mm.

Summary: Discusses the functional anatomy of the elbow joint and illustrates the displacing pulls of the muscle groups as they affect different fractures. Describes the mechanism of typical elbow injuries, such as fractures of the supracondylar, intercondylar, olecranon and head of the radius, and demonstrates various types of management, including manipulation, traction, and open reduction.

Borrow from VA. *Buy from* CW.

Fractures about the knee (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

24 min., sd., color, 16 mm.

Summary: Explains the anatomy of the knee joint and its surrounding structures as they affect and are affected by fractures in the area. Shows management of fractures of the patella, intercondylar fractures of the femur, and fractures of the tibial plateau.

Borrow from VA. *Buy from* CW.

Fractures about the wrist and hand (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

30 min., sd., color, 16 mm.

Summary: Discusses the functional anatomy of the wrist and hand, particularly as it relates to fractures in that area; describes the mechanisms of typical injuries, including fractures of the phalanges, metacarpals, carpal navicular, lunate, and Colles' fracture; and demonstrates treatment by manipulation, traction, and immobilization, with emphasis on the basic principles of fracture reduction. Includes a section on the aftercare of wrist and hand fractures.

Borrow from VA. *Buy from* CW.

Fractures, an introduction (*Motion picture*) U. S. Dept. of the Army, 1949.

27 min., sd., b&w, 16 mm.

Order no. TF 8–1586.

Summary: Shows a modern concept of treating a fracture, and the mechanism, pathology, repair, and management of fractures.

Borrow from Army.

Fractures of the femur about the hip joint (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

21 min., sd., color, 16 mm.

Summary: Discusses the anatomy of the region about the hip, with special reference to the displacing pulls of muscles as they affect various fractures, and the blood supply to the head and neck of the femur. Includes fractures of the neck of the femur and intertrochanteric fractures. Shows methods of internal fixation and discusses the problems of maintenance of reduction by internal fixation as opposed to traction, particularly with reference to the elderly patient.

Borrow from VA. *Buy from* CW. *Cleared for tv.*

Fractures of the forearm (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

29 min., sd., color, 16 mm.

Summary: Describes the complex rotational relationship between the radius and ulna; discusses the displacing pulls of the forearm muscles and the effect of various fractures on the blood vessels and nerves in the area; describes typical forearm injuries, including fractures of both bones, fracture of the shaft of the radius, and fracture of the ulna with anterior dislocation of the head of the radius; shows methods of treatment; and discusses the problems of maintenance of reduction by traction and internal fixation.

Borrow from VA. *Buy from* CW.

Fractures of the humerus (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.

26 min., sd., color, 16 mm.

Summary: Demonstrates the anatomy, physiology, and mechanics involved in various fractures of the humerus.

Borrow from VA. *Buy from* CW.

Fractures of the leg and ankle (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

26 min., sd., color, 16 mm.

Summary: Discusses the anatomical structures of the leg and ankle and how they function in relation to fractures in that area; the displacing pulls of the muscles and dangers to the nerve and blood supply; management of fractures of the tibia and the malleoli; and the various methods of reduction, including the use of manipulation, traction, and internal fixation from the viewpoint of the principles underlying that treatment. Emphasizes the importance of aftercare.

Borrow from VA. *Buy from* CW.

Fractures of the shaft of the femur (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

21 min., sd., color, 16 mm.

Summary: Discusses the various means of overcoming the displacements caused by muscles; demonstrates treatment for fractures of the upper, middle, and lower portions of the shaft; and explains with illustrations the principles of suspension traction and open reduction.

Borrow from VA. *Buy from* CW.

Framing: Floor joists and walls (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

25 min., sd., b&w, 16 mm. (Building techniques series)

Order no. MN 6719–b.

Summary: Illustrates procedures for constructing walls, floors, doors, and windows of a two-story building.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Framing: Hip and valley rafters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

25 min., sd., b&w, 16 mm. (Building techniques series)

Order no. MN 6719–d.

Summary: Shows how to cut, measure, and fit hip and valley rafters, and compares them with regular type rafters.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Framing: Rafter principles and common rafters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719-c.
Summary: Illustrates laying out and cutting of rafters.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

A free people (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
23 min., sd., b&w, 16 mm.
Order no. AFIF 25.
Summary: Reviews the historical development of the United States, the habits and characteristics of its people, and the role of the Armed Forces historically and today. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army.

Freedom and you (*Motion picture*) U. S. Dept. of Defense, 1962.
53 min., sd., b&w, 16 mm.
Order no. AFIF 120
Summary: Tells a story about a typical American family and some of their reactions to duties and obligations that are part of the democratic way of life. Describes a nightmarish dream about life under communism which awakens the husband to the fact that his democratic responsibilities are a pleasure.
Borrow from AF. *Cleared for tv.*

Freedom of the press (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Affiliated Film Producers. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm.
Summary: A historical review of freedom of the press in America from Zenger's weekly journal to the publication of today's newspapers. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Freedom to learn (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm. (American scene series, no. 9)
Summary: Shows some of the educational activities and opportunities at the State University of Iowa and emphasizes the democratic nature of the services offered by this public university. Prepared for overseas use.
Buy from NF.

Freezing broccoli and corn-on-the-cob (*Filmstrip*) U. S. Dept. of Agriculture, 1953.
35 double fr., color, 35 mm.
Order no. C-29.
With lecture notes.
Summary: Shows the principal steps to be followed in the home freezing of vegetables, particularly broccoli and corn on the cob.
Buy from PhotoLab.

Freezing strawberries and peaches (*Filmstrip*) U. S. Dept. of Agricultre, 1953.
35 double fr., color, 35 mm.
Order no. C-30.
With lecture notes.
Summary: Shows the principal steps to be followed in the home freezing of fruits, particularly strawberries and peaches.
Buy from PhotoLab.

French bowline (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 308, formerly MG 2323-a.
Supplementary filmstrip of same title also available.
Summary: Explains the uses of the French bowline in rescue work and demonstrates how to tie the knot.
Buy from NF.

French bowline (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
28 fr., b&w, 35 mm.
Order no. SCG 308, formerly SG 2323-b.
Supplements motion picture of same title.
Summary: Shows how to tie and untie the French bowline.
Buy from NF.

Frequency coordination at White Sands (*Motion picture*) U. S. Dept. of the Army, 1962.
17 min., sd., color, 16 mm.
Order no. MF 45-9619
Summary: Explains the requirement for frequency coordination at White Sands, and describes the activities, facilities, and equipment employed to insure interference-free missile testing operations.
Borrow from Army.

La fresadora (*Motion picture*) U. S. Office of Education [1959?]
15 min., sd., b&w, 16 mm.
Order no. OE 69-Sp.
Spanish version of the 1944 motion picture entitled The milling machine.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Describes the functions, characteristics, and basic operations of the milling machine.
Buy from NF.

Fresh out of the water (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by James R. Lee Productions.
14 min., sd., color, 16 mm.
Summary: Describes the catching, processing, retailing, cooking, and serving of fish; and the steps taken by industry to preserve the nutritional value of fishery products.
Borrow from FWS. *Cleared for tv. Prior authorization required.*

Friendly waters (*Motion picture*) U. S. Dept. of Agriculture, 1958.
7 min., sd., color, 16 mm.
Summary: Shows scenes of the 1957 floods in Texas and Oklahoma, and explains how land treatment and floodwater retarding dams operate to prevent flood damages within a watershed.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

From an art to a science (*Motion picture*) U. S. Dept. of the Army, 1962.
11 min., sd., b&w, 16 mm.
Order no. MF 11-9818
Summary: Describes the semi-automatic system of producing quartz crystal units as developed under the Signal Corps industrial preparedness program. Explains the function of crystal units in electronics, the various processes involved in the manufacture of crystal units from natural quartz pieces, and the various machines used in the mechanized production system.
Borrow from Army.

From flight to facts (*Motion picture*) U. S. Dept. of the Army, 1960.
14 min., sd., color, 16 mm.
Order no. MF 45-9606.
Summary: Shows how an integrated range mission works to record and analyze missile flight data. Explains how a flight is recorded by means of highly developed electronic equipment and the flight data reduced to facts, computed, and correlated. Shows the use of scientific measuring systems and electronic computers to determine the height, distance, speed, and accuracy of the missile test flight.
Borrow from Army. *Cleared for tv.*

From small beginnings (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Summary: Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.
Buy from NF. *Cleared for tv.*

From small beginnings
see also
Ferramentas e máquinas
Mejores herramientas

From the ground up (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Plant Food Institute, 1955.
13 min., sd., color, 16 mm.
Summary: Describes the work of the soil surveyor in studying and mapping farm soils. Explains the importance of productive soil to the populations of the world, and shows how the soil conservationist uses the information gained on a soil survey to help a farmer develop his conservation farm plan.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

From the mountains to the sea (*Motion picture*) U. S. Army Engineers, 1958.
18 min., sd., color, 16 mm.
Revision of the 1955 motion picture of the same title.
Summary: Recounts the flood damage which occurred in the 1938 flood in southern California and explains the comprehensive flood-control plan for the Los Angeles County drainage area. Explains problems encountered in providing the necessary flood-control protection in this rapidly expanding metropolitan area.
Borrow from Eng. *Cleared for tv.*

From the ridge to the river (*Motion picture*) U. S. Dept. of Agriculture, 1955.
26 min., sd., color, 16 mm.
Summary: Explains the land treatment and work on water courses, and shows how they are integrated to provide a watershed protection program as security against floods.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Front end alignment (*Motion picture*) U. S. War Dept., 1943.
18 min., sd., b&w, 16 mm. (Automotive trouble shooting series, no. 14)
Order no. TF 10-638.
Summary: Explains the causes of improper wheel alignment, and demonstrates necessary checks of the caster, camber, toe-in, and turning radius.
Borrow from Army. *Cleared for tv.*

Front line Air Force chaplains (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Warner News.
14 min., sd., b&w, 16 mm.
Order no. SFP 281.
Summary: Shows activities of Air Force chaplains in Air Force bases throughout the world, including services performed by chaplains in Korean battle areas.
Borrow from AF. *Cleared for tv.*

Frontier beyond the sky (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., color, 16 mm.
Order no. MF 45-8582.
Summary: Describes the IGY (International Geophysical Year) rocket program for upper atmosphere research carried out by the United States in 1957 and discusses the rocket instruments used and experiments connected with the study of the structure and dynamics of the upper air. Explains how research teams at Fort Churchill, Canada, used the Aerobee, Nike-Cajun, and Rockoon rockets to conduct tests aimed at gaining knowledge related to solar ray radiation, aurora borealis phenomenon, properties of the ionosphere, intensity of primary cosmic rays at different latitudes, and structure and temperature of the upper atmosphere.
Borrow from Army. *Cleared for tv.*

Frontier days (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFSR 117.
Summary: Portrayal of the "Frontier days" celebration in Cheyenne, Wyoming.
Borrow from Army. *Cleared for tv.*

Frontiers of grass: A story of the western range (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
64 fr., b&w, 35 mm.
Order no. 585.
With lecture notes.
Summary: Traces the development and decline of the western range, showing the effects of railroads, market routes, and the growth of the livestock industry. Recommends conservation methods.
Buy from PhotoLab.

Frontiers of trade (*Motion picture*) U. S. Dept. of the Army, 1962.
7 min., sd., color, 16 mm.
Order no. MF 11-9829
Summary: Explains the importance of international trade to the United States and other participating countries of the free world.
Borrow from Army. *Cleared for tv.*

Frozen-food lockers and your food supply (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
63 fr., b&w, 35 mm.
Order no. 586.
With lecture notes.
Summary: Shows a floor plan for a locker plant, types of lockers, a home-made freezer chest, and how to grow and prepare plant and animal foods for freezing.
Buy from PhotoLab.

Fruits, vegetables, and cooperation (*Motion picture*) U. S. Dept. of Agriculture, 1941.
28 min., sd., b&w, 16 mm.
Summary: Shows how cooperative associations receive, process, pack, and market fruits and vegetables; and points out the jobs that a small group of farmers just starting a cooperative should tackle first.
Rent from DA Film Libraries. *Buy from* NF.

The frying pan and the fire (*Motion picture*) U. S. Dept. of Agriculture, 1947.
18 min., sd., color, 16 mm.
Summary: Dramatized story of two girls on a camping trip, one of whom neglects to put out a camp fire, and the near-tragic consequences of the resultant fire.
Rent from DA Film Libraries. *Buy from* NF.

Fuel and feed (*Filmstrip*) U. S. Navy Dept., 1942. Re-Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
80 fr., b&w, 35 mm.
Order no. SN 801.
Summary: Explains the operation of both gravity and pressure fuel feed systems; emphasizes the nature and importance of various parts of those systems; discusses the dangers and causes of vapor lock.
Borrow from Navy.

Fuel element burning experiment (*Motion picture*) U. S. Atomic Energy Commission and U. S. Department of Agriculture, 1959.
14 min., sd., color, 16 mm.
Summary: Describes an experiment at the National Reactor Testing Station, Idaho, in which aircraft reactor fuel elements, together with other materials, were melted in a simulated aircraft crash. Explains that the experiment consisted of two phases—phase A used jet fuel as the combustible and phase B used Thermite to produce high temperature to assure melting, pointing out that in phase A melting did not occur and no radioactivity was released, and that in phase B, melting did occur, with the release of a small amount of activity (10,000 curies of fission products) in the National Reactor Testing Station out to a distance of ¼ mile.
Borrow from AEC. *Buy from* DA-MPS.

Fuel fabrication facility (*Modern picture*) U. S. Atomic Energy Commission, 1959.

9 min., sd., color, 16 mm.

Summary: Describes Argonne National Laboratory's fabrication process developments laboratory for the manufacture of unique fuel elements and test pieces containing the highly radioactive and chemically toxic element plutonium. Shows many special features that are incorporated to ensure the protection of operating personnel and to permit flexibility in the type application of the fabricating procedures.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Fuel feed systems (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

27 fr., b&w, 35 mm.

Order no. SCG 154–f, formerly SG 1765.

Summary: Explains the gravity feed and pressure feed systems, and the operation of plunger-type and diaphragm pumps.

Buy from NF.

Fuel level gages (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

41 fr., b&w, 35 mm.

Order no. FS 1–58.

Summary: Explains the operating principles, maintenance, and inspection procedures for mechanical and electrical gages used on aircraft.

Borrow from AF. *Buy from* NF.

Fuel pump disassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 4)

Order no. MN 2364–p.

Summary: How to disconnect linkage, remove cover plate, disconnect all lines, remove fuel pump and disassemble at work bench, and remove all parts from pump housing.

Borrow from Navy. *Buy from* NF.

Fuel pump reconditioning and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

23 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 5)

Order no. MN 2364–q.

Summary: How to recondition and reassemble parts of a fuel pump system.

Borrow from Navy. *Buy from* NF.

Fuel system series
see Cooper Bessemer diesel engine maintenance series. Fuel system

The Fulton Sylphon Diesel engine temperature control valve: Operation and adjustment (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

90 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. SN 3375.

Summary: Describes the function, operation, and adjustment of the Fulton Sylphon valve for Diesel engines.

Borrow from Navy. *Buy from* NF.

Functional syndromes with pronounced physical symptoms (*Motion picture*) U. S. Public Health Service, 1938.

17 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 4)

Summary: Presents functional cases in which physical symptoms not caused by neurological impairment play a major part—hysterical epilepti-form seizures, hysterical pseudohemiplegia, functional tremors, and tics. Stresses the contrast between functional and organic paralysis cases in carrying out purposeful acts with partially paralyzed members.

Borrow from PHS *or* VA. *Buy from* PCR.

Functional teaching in electricity and electronics (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Dynamic Films. Released for public educational use through U. S. Office of Education.

16 min., sd., b&w, 16 mm.

Order no. MN 8050.

Summary: Shows Navy instructors how to use such teaching procedures as trainee preparation, lecture, discussion, demonstration, experimentation, and review. Illustrates the use of training aids.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Functioning of gas feed chlorinators. Part 1: Visible vacuum chlorinator (*Filmstrip*) U. S. Public Health Service, 1954.

57 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. F 146–a.

Summary: Illustrates the piping system and parts of a visible vacuum chlorinator, function of the parts, and points to be checked in the inspection of the machine.

Borrow from PHS. *Buy from* NF.

Functioning of gas feed chlorinators. Part 2: Volume metering chlorinator (*Filmstrip*) U. S. Public Health Service, 1954.

42 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. F 146–b.

Summary: Illustrates the primary parts of a volume metering chlorinator, functions of the different parts, and points to be checked in the inspection of the machine.

Borrow from PHS. *Buy from* NF.

Fundamental lines and sections (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Nomenclature of ships)

Order no. MN 2334–a.

Supplementary filmstrip of same title also available.

Summary: Explains the meaning and purpose of various lines, the division of a ship's structure, and the names and symbols for different parts.

Borrow from Navy. *Buy from* NF.

Fundamental lines and sections (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

98 fr., b&w, 35 mm. (Shipbuilding skills series. Nomenclature of ships)

Order no. SN 2334–m.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

The fundamental nature of air flows and air-flow separation (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

15 min., si., b&w, 16 mm.

Order no. TF 2.

With lecture notes.

Summary: Shows air flow, made visible by titanium tetrachloride smoke in the NACA smoke-flow equipment, around a circular cylinder, and streamlined symmetrical and lifting airfoils, in order to discover air-flow separation, dead air space, turbulence, and the effect of changes in angle of attack and Reynolds number on flow patterns. For use by technical personnel, including students of the aeronautical sciences.

Borrow from NASA.

Fundamental operations
see Beginning algebra I, lecture 9 [–10]: Fundamental operations

Fundamentals of artillery weapons. Part 1: Types and components of cannon (*Motion picture*) U. S. War Dept., 1944.
28 min., sd., b&w, 16 mm.
Order no. TF 9-2058.
Summary: Defines and classifies briefly artillery weapons, and explains the three main types of cannon—guns, howitzers, and mortars.
Borrow from Army.

Fundamentals of artillery weapons. Part 2: Types and components of carriage (*Motion picture*) U. S. War Dept., 1944.
22 min., sd., b&w, 16 mm.
Order no. TF 9-2059.
Summary: Explains the two main types of artillery carriage, fixed and mobile, and the three types of mobile carriages—railway, self-propelled, and towed.
Borrow from Army.

Fundamentals of ballistics (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
19 min., sd., b&w, 16 mm.
Order no. TF 9-1512.
Summary: Explains interior, exterior, and terminal ballistics; types of fuzes, explosives, and projectiles; effects of air resistance and gravity; and discusses some methods of overcoming the problems involved.

Borrow from Army. *Buy from* NF.

Fundamentals of blueprint reading series
see Machine shop work series. Fundamentals of blueprint reading

Fundamentals of carrier telephony. Part 1: Operation of a carrier system (*Motion picture*) U. S. Dept. of the Army, 1959.
12 min., sd., b&w, 16 mm.
Order no. TF 11-2805.
Summary: Describes the features, operation, and advantages of the telephone carrier system used in today's modern Army; shows, by animation and drawings, how the telephone carrier system provides for simultaneous operation of several telephone or teletype channels over a single spiral four cable. Using the AN/TCC 24 carrier terminal for demonstration, explains how different frequency bands are used in transmitting more than one voice over the transmission line at the same time, and describes in detail the transmission of messages from A to B terminals and B to A terminals. Emphasizes the advantages of the carrier system in terms of maximum operating efficiency and minimum expense.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fundamentals of carrier telephony. Part 2: Terminals and repeaters (*Motion picture*) U. S. Dept. of the Army, 1959.
19 min., sd., b&w, 16 mm.
Order no. TF 11-2806.
Summary: Describes the features and function of carrier terminals and repeaters. Discusses carrier terminals, using the AN/TCC 24 for demonstration; explains the fundamental electronic circuits employed by carrier terminal equipment; and shows how voice frequencies converted to electrical frequencies travel along the line of transmission. Also using the AN/TCC 5 repeater for demonstration, shows how the repeater boosts signal strength and prevents frequency distortion along the line of transmission.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fundamentals of detergents (*Filmstrip*) U. S. Public Health Service, 1949.
72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5-079.
Summary: Explains the fundamental principles of detergents and their use in cleaning, and points out that detergents may be used for many specific purposes, including softening water, dispensing mineral formations, emulsifying grease, deflocculating soil particles, and decreasing surface tension.

Borrow from PHS. *Buy from* NF.

Fundamentals of end cutting tools (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.
12 min., sd., b&w, 16 mm. (Machine shop work series. Single point cutting tools, no. 2)
Order no. OE 43.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Radius, threading, sheer-cut finishing, round-nosed finishing, side-facing tools; correct setting of the tools; and the type of cut each one makes.

Buy from NF.

Fundamentals of end cutting tools (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
30 fr., b&w, 35 mm. (Machine shop work series. Single point cutting tools, no. 2)
Order no. OE 43-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Fundamentals of end cutting tools
see also
La cuchilla de punta

Fundamentals of filing (*Motion picture*) U. S. Office of Education. 1942. Made by Calvin Co.
12 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 8)
Order no. OE 41.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to care for, handle, and clean files; and select different files for different metals.

Buy from NF.

Fundamentals of filing (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
52 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 8)
Order no. OE 41-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Fundamentals of massage (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
12 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 414.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Techniques of fundamental massage movements—deep stroking, kneading, and friction; principal physiological effects of these massage movements upon the human organism.

Buy from NF.

Fundamentals of massage (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
47 fr., b&w, 35 mm. (Nursing series)
Order no. OE 414-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Fundamentals of mechanics series
see Engineering series. Fundamentals of mechanics

Fundamentals of patrol plane handling series
see
Launching
Preparing the plane for flight
Security and refueling with safety

Fundamentals of patternmaking series
see Precision wood machining series. Fundamentals of patternmaking

Fundamentals of photography series
see
The basic camera
Developing the negative
Elementary optics in photography
Light-sensitive materials
Printing the positive

Fundamentals of radiac instruments (*Motion picture*) U. S. Dept. of the Army, 1955.
25 min., sd., b&w, 16 mm.
Order no. TF 11-2234.
Summary: Reviews basic atomic theory, including composition of the atom, how radiation is caused, types of radiation, and how radiation causes ionization. Explains specific radiac instruments, including such accumulation devices as film badge, film ring, pocket dosimeter, and pocket chamber; and intensity devices such as scintillation detector, ionization chamber, proportional counter, and Geiger-Mueller counter.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fundamentals of radio trouble shooting, part 1: Principle technique (*Motion picture*) U. S. Dept. of the Army, 1960.
29 min., sd., b&w, 16 mm.
Order no. TF 11-2851
Summary: Demonstrates the approved method of trouble shooting a malfunctioning radio receiver or transmitter.
Borrow from Army.

Fundamentals of radio trouble shooting, part 2: Trouble shooting a radio receiver (*Motion picture*) U. S. Dept. of the Army, 1960.
29 min., sd., b&w, 16 mm.
Order no. TF 11-2852
Summary: Demonstrates the approved method of trouble shooting a malfunctioning radio receiver
Borrow from Army.

Fundamentals of radio trouble shooting, part 3: Trouble shooting a radio transmitter (*Motion picture*) U. S. Dept. of the Army, 1960.
25 min., sd., b&w, 16 mm.
Order no. TF 11-2853
Summary: Depicts a systematic method for trouble shooting a defective radio transmitter, using transmitter T-368/URT for illustration.
Borrow from Army.

Fundamentals of radio trouble shooting, part 4: Additional devices and techniques (*Motion picture*) U. S. Dept. of the Army, 1960.
29 min., sd., b&w, 16 mm.
Order no. TF 11-2854
Summary: Depicts supplemental devices and techniques used in addition to the approved method of radio trouble shooting to detect and correct radio malfunctions.
Borrow from Army.

Fundamentals of radioactivity (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
59 min., sd., b&w, 16 mm. (The radioisotope series, no. 1)
Order no. PMF 5145-a.
Summary: A survey film, first of a series, explaining the basic concepts in the field of nuclear physics necessary to an understanding of radioisotopes. Describes in detail the origins of nuclear radiation and the chain reaction of uranium as a means of producing radioisotopes. Primarily for technical use.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Fundamentals of side cutting tools (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.
11 min., sd., b&w, 16 mm. (Machine shop work series. Single point cutting tools, no. 1)
Order no. OE 42.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How side cutting tools are shaped and how they cut; and how generated heat is dissipated.
Buy from NF.

Fundamentals of side cutting tools (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
27 fr., b&w, 35 mm. (Machine shop work series. Single point cutting tools, no. 1)
Order no. OE 42-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Fundamentals of side cutting tools
see also
La cuchilla lateral

Fundamentals of small arms weapons. Part 1: The cycle of operation (*Motion picture*) U. S. Dept. of the Army, 1945.
20 min., sd., b&w, 16 mm.
Order no. TF 9-1448.
Summary: Shows the components of small arms ammunition and explains that shoulder weapons, hand weapons, and machine guns use the same type of ammunition and function in the same manner. Demonstrates, by use of models and cross-section views, the eight steps of the cycle operations—chambering, locking, firing, unlocking, extracting, ejecting, cocking, and feeding.
Borrow from Army.

Fundamentals of small arms weapons. Part 2: Types of operation (*Motion picture*) U. S. Dept. of the Army, 1946.
13 min., sd., b&w, 16 mm.
Order no. TF 9-1449.
Summary: Defines the three types of operation of small arms weapons, in addition to manual operation: (1) gas, used on BAR and M-1 rifles; (2) blowback used with low pressure cartridges in M-3 sub-machine guns with no positive lock; and (3) recoil used on pistols and machine guns. Demonstrates, by use of animation and cross-section views, the basic principles of these operations, and shows how they are used to give plenty of fire power to small arms.
Borrow from Army.

Fundamentals of small arms weapons. Part 3: Semiautomatic and automatic fire (*Motion picture*) U. S. Dept. of the Army, 1945.
10 min., sd., b&w, 16 mm.
Order no. TF 9-1450.
Summary: Explains the basic principles of automatic and semiautomatic firing methods and shows how the automatic mechanism enables the weapon to fire continuously or until the ammunition is exhaused while the semi-automatic mechanism fires only once each time the trigger is squeezed.
Borrow from Army.

Fundamentals of stair layout (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719-f.
Summary: Covers the measuring, fitting, and installing of stairways.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Fundamentals of the human blood groups (*Filmstrip*) U. S. Public Health Service, 1954.
70 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. F 22.
Summary: Explains through symbols and stylized drawings the fundamentals of blood typing, including genetics of blood groups, incompatibility of various groups, sensitization, and precautions in giving transfusions.
Borrow from PHS. *Buy from* NF.

Fundo in Chile (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.
21 min., sd., b&w, 16 mm.
Summary: Contrasts new and old farming methods on the large fundos (ranches) of Chile; emphasizes trends toward modernization. Shows daily lives of fundo workers and their families.
Buy from NF.

Fungi snare and destroy nematodes (*Motion picture*) U. S. Dept. of Agriculture, 1940.
4 min., sd., b&w, 16 mm.
Revision of the 1933 film of the same title.
Summary: Demonstrates under the microscope how certain fungi catch and devour nematodes; and explains the process by which organic matter is broken down to enrich soil.
Rent from DA Film Libraries. *Buy from* NF.

Fury in the Pacific (*Motion picture*) U. S. Dept. of the Navy and U. S. Marine Corps, 1945.
20 min., sd., b&w, 16 mm.
Order no. MN 9045.
Summary: A photographic record of the invasion of the Palau Islands in 1944.
Borrow from Navy. *Buy from* NF.

Fusion des métaux
see Technique de fonderie. Fusion des métaux

G

"G" facts (*Motion picture*) U. S. Dept. of the Air Force, 1954.
23 min., sd., color, 16 mm.
Order no. TF 1–4964.
Summary: Explains the basic principles of gravitational pull; describes positive "G," negative "G," and transverse "G"; and discusses the purposes and uses of different types of anti-G suits.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

GS–1 meets the laboratory (*Filmstrip*) U. S. Public Health Service, 1952.
91 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min. (Basic laboratory training for nonprofessional workers, no. 1)
Order no. F 106–a.
Summary: Tells in story form how a beginning laboratory worker can avoid mistakes which might endanger himself, the equipment, and impending research results. Covers such points as washing dirty glassware, cleaning cages of infected laboratory animals, handling carboys and corrosives, and avoiding contamination of lunch.
Borrow from PHS. *Buy from* NF.

Gage blocks and accessories (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
23 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 8)
Order no. OE 246.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Why accessories are used with gage block; how to inspect a plug gage, an adjustable snap gage, a profile gage, a ring gage, and a screw-thread pitch; and how to built a height gage and scriber.
Buy from NF.

Gage blocks and accessories (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
33 fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 8)
Order no. OE 246–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Galley sanitation (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
24 min., sd., b&w, 16 mm. (The stowaway series, no. 2)
Order no. TF 8–1502.
Summary: Illustrates precautions and sanitary measures which should be observed by all food service organizations in order to prevent the spread of disease.
Borrow from Army. *Buy from* NF.

Ganglionectomy
see Lumbar sympathectomy (Ganglionectomy)

Gardening cartoons: A dozen "don'ts" for gardeners (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
16 double fr., b&w, 35 mm.
Order no. 633.
Reproduction of cartoons in Consumer's guide, March 1, 1942.
Buy from PhotoLab.

Garrison on the Missouri (*Motion picture*) U. S. Army Engineers, 1949.
23 min., sd., color, 16 mm.
Summary: Shows garrison Dam under construction in North Dakota, and explains its relationship to the overall plan for the development of the Missouri River Basin.
Borrow from Eng. *Cleared for tv.*

Garrison safe-guards (*Motion picture*) U. S. Army Engineers, 1952.
21 min., sd., color, 16 mm.
Summary: Illustrates the safety program of the Corps of Engineers during the construction of Garrison Dam on the Missouri River.
Borrow from Eng. *Cleared for tv.*

Garrison takes shape (*Motion picture*) U. S. Army Engineers, 1951.
23 min., sd., color, 16 mm.
Summary: Portrays progress (1950) on the construction of Garrison Dam in North Dakota, including scenes of mining operations for the power and flood control tunnels and an explanation of how the land is being acquired for the reservoir.
Borrow from Eng. *Cleared for tv.*

Gas cooled reactor experiment (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by U. S. Dept. of the Air Force and U. S. Army Engineers.
39 min., sd., color, 16 mm.
Summary: Describes the design, development, component fabrication, assembly, testing, and initial criticality of the first direct- and closed-cycle gas-cooled reactor.
Borrow from AEC. *Buy from* LMAFS. *Cleared for tv.*

Gaseous diffusion (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by U. S. Dept. of the Air Force.
3 min., sd., b&w, 16 mm.
Summary: Illustrates the gaseous diffusion method for separating uranium–235 from uranium–238.
Borrow from AEC. *Cleared for tv.*

Gauging thickness with radioisotopes (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by George Tressel Productions.
5 min., sd., b&w, 16 mm.
Summary: Explains how beta gauges are used for precise measurement and control of feed-back apparatus in steel, plastics, rubber, and paper manufacturing.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

The genera of North American ticks (*Filmstrip*) U. S. Public Health Service, 1953.
37 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 4 min.
Order no. F 139.
Summary: Shows representative species of the genera of ticks found in North America and their morphological characters.
Borrow from PHS. *Buy from* NF.

General adaptation syndrome (*Motion picture*) U. S. Dept. of the Army, 1951.
84 min., sd., color, 16 mm.
Order no. PMF 5151.
Summary: Demonstrates the reactions and adaptations of animal body systems to such stresses as heat, cold, fatigue, and intoxicants. For professional personnel.
Borrow from Army.

The general court-martial (*Motion picture*) U. S. Dept. of the Army, 1954.
73 min., sd., b&w, 16 mm.
Order no. TF 15-1950.
Summary: Portrays the general court-martial of a U. S. Army private charged with the crime of larceny, including pre-trial investigation, convening of the court, presentation of charges, testimony and cross-examination of witnesses and the accused, summation by counsels, evaluation of evidence by the court, decision of the court, and sentencing.
Borrow from Army.

General effects of heat on man (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm.
Order no. TF 8-1691.
Summary: Describes various hot-room tests conducted at the Medical Department Field Research Laboratory, Fort Knox, Ky., and demonstrates the effects of heat on the human body during military operations.
Borrow from Army. *Buy from* NF.

General hospital (*Motion picture*) U. S. War Dept., 1945.
12 min., sd., b&w, 16 mm.
Order no. FB 8-203.
Summary: Shows the organization and function of a typical general hospital in an overseas theater of operations.
Borrow from Army.

General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm.
Order no. MN 2709-b.
Summary: Shows how to disassemble and reassemble General Motors Diesel engine unit injector model 278.
Borrow from Navy. *Buy from* NF.

General Motors diesel engine unit injectors: Maintenance (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm.
Order no. MN 2709-a.
Summary: How to disassemble, handle, clean, and inspect the diesel engine unit injector.
Borrow from Navy. *Buy from* NF.

General Motors 16-278A diesel engine series
see
Bearings
Benchwork, part [-4]
Disassembly
Reassembly, part 1
Reassembly. Part 2: Head

General neurological examination and clinical signs of disorders of the pyramidal system (*Motion picture*) U. S. Public Health Service, 1938.
19 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 1)
Summary: Reviews gross anatomy of the brain; demonstrates minimal neurological examination of cranial nerves, motor coordination, reflexes, and sensation; presents clinical signs of disorders of the pyramidal system; shows two cases of hemiplegia with internal hydrocephalus, presenting x-rays to show the seat of impairment. For medical personnel.
Borrow from PHS *or* VA. *Buy from* PCR.

General Pershing (*Motion picture*) U. S. Dept. of Defense, 1948.
11 min., sd., b&w, 16 mm.
On reel with ROTC at work.
Order no. AFSR 98.
Summary: Highlights in the life of General John J. Pershing, and his funeral in 1948.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

General principles of the propeller (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
51 fr., b&w, 35 mm.
Order no. FS 1-104.
Summary: Explains the principles of the airplane propeller, types of construction, causes of failure, and factors determining shape of blade. Defines thrust, pitch, angle of attack, slip, feathering, and windmilling.
Borrow from AF. *Buy from* NF.

Generator and regulator systems, principles (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
65 fr., b&w, 35 mm.
Order no. FS 1-53.
Summary: Explains the principles, operation, and construction of the generator; and the various inspections required on generator and regulator systems in an airplane.
Borrow from AF.

George Kennan discusses communism on the Armed Forces Forum (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
43 min., sd., b&w, 16 mm.
Order no. AFIF 50.
Summary: George F. Kennan answers questions concerning international communism asked by Army, Navy, and Air Force enlisted men and women, and discusses the effect of Stalin's death and Beria's purge, the influence of Moscow upon developments in Asia, the nature of Communists and communism, facts about the Russian people, the possibilities of war with Russia, etc. The forum was filmed on August 6, 1953.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

George Washington, the farmer (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission, 1932.
74 fr., b&w, 35 mm.
Order no. 277.
With lecture notes.
Summary: Depicts phases of Washington's early life and his home surroundings as a country gentleman.
Buy from PhotoLab.

George Washington's river (*Motion picture*) U. S. Public Health Service, 1959.
28 min., sd., color, 16 mm.
Order no. MIS 525.
Summary: Shows scenes of pollution occurring at Washington, D. C., and from industries and smaller communities upstream on the Potomac River. Methods are shown by which cities and industries can clean up their waste and restore the streams for fishing, boating, swimming, and domestic and industrial uses.
Borrow from PHS. *Buy from* DA-MPS.

Germany (*Motion picture*) U. S. Dept. of Defense, 1950.
9 min., sd., b&w, 16 mm.
On reel with Recreation and athletics in the Navy.
Order no. AFSR 124.
Summary: A general portrayal and explanation of Western Germany under allied occupation.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Germfree animals in medical research (*Motion picture*) U. S. Public Health Service, 1960.
19 min., sd., color, 16 mm.
Order no. M 430.
Summary: Shows the kinds of equipment necessary to carry on germfree animal investigations; demonstrates the usefulness of germfree animals as research tools; and includes studies in host-parasite relationship in the absence of enteric bacteria. Discusses serological studies which use germfree animals inoculated with a single known species of bacterium, and which investigate the behavior of viruses in the absence of bacteria.
Borrow from PHS. *Buy from* NF.

Getting help for the veterans with emotional problems
see The difficult ones. Part 3: Getting help for the veterans with emotional problems

The gift you bring (*Motion picture*) U. S. Veterans Administration, 1960.
31 min., sd., color, 16 mm.
Summary: Portrays, through the stories of a businessman a housewife, a secretary, a barber, and a high school student, the significant part played by volunteer activities in Veterans Administration hospitals.
Borrow from VA. *Buy from* NF.

Gingivectomy (*Motion picture*) U. S. Dept. of the Army, 1960.
16 min., sd., color, 16 mm.
Order no. PMF 5328.
Summary: Describes the clinical aspects of a gingival condition of the gums and demonstrates the surgical technique used in performing a gingivectomy. Salient teaching points cover technique of making the gingival incision; removal of incised tissue and debris; planing the root surfaces of the teeth; application of protective packs to the gums; and postoperative care of teeth by patient.
Borrow from Army.

Give me a second station (*Motion picture*) U. S. Dept. of the Air Force, 1956.
30 min., sd., color, 16 mm.
Order no. SFP 411.
Summary: Explains briefly the development of the B-47 stratojet bomber and its capabilities, and shows the training given to B-47 combat crews at McConnell Air Force Base.
Borrow from AF. *Cleared for tv.*

Glamorizing vegetables (*Filmstrip*) U. S. Dept. of Agriculture, 1961.
24 fr., color, 35 mm.
Order no. C-78
Summary: Gives hints on the preparation of vegetables for efficient service and attractiveness in the school lunch program.
——— Another issue. double fr.
Buy from Photo Lab.

Glass fractures (*Filmstrip*) U. S. Dept. of the Army, 1955.
55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 19-11.
Summary: Explains procedures for examining glass fractures found at the scene of a crime, including examining, photographing, and marking fragments, determing direction of force; study of fracture patterns; 3-R rule; methods used with safety glass; examining bullet holes; collecting all fragments; and packing fragments for shipment to criminal investigation laboratory.
Borrow from Army.

The golden moment (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
24 min., sd., b&w, 16 mm. (For which we stand series)
Order no. MN 5321-g.
Summary: Deals with the U. S. Navy's character guidance program aboard ship and in recruit and service schools. Depicts classroom discussions on such themes as moral issues, tensions, and citizenship; and explains roles of chaplains, line officers, and CPO instructors in this Navy-wide program.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The golden secret (*Motion picture*) U. S. Dept. of Agriculture, 1946.
7 min., sd., color, 16 mm.
Summary: A cartoon movie on conservation telling a fairy story about the son of the king's chief huntsman who stopped the golden soil from washing away and was rewarded with the best farm in the kingdom.
Rent from DA film libraries.

The good egg (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1955.
7 min., sd., b&w, 16 mm.
Summary: Presents a "magic" show, with the magician as narrator, showing the nutritive value of eggs, basic egg dishes, and ways in which eggs are combined with other foods. Animation and live-action photography.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Good neighbor family (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
Summary: Shows the life of various groups and classes in Latin America, social and religious customs, and differences between North and South American cultures.
Buy from NF.

Good things come in pears (*Motion picture*) U. S. Dept. of Agriculture, 1952.
5 min., sd., color or b&w, 16mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of pears. Prepared especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Grader, motorized, caterpillar no. 12: Adjustment of the bevel gear and pinion (*Motion picture*) U. S. Dept. of the Army, 1957.
7 min., sd., b&w, 16 mm.
Order no. TF 5-2352.
Summary: Explains the purpose of the bevel gear and pinion, and demonstrates the procedure for adjustment when replacing a bevel gear, pinion, or bearings.
Borrow from Army.

Grader, motorized, caterpillar no. 12: Adjustment of the main flywheel clutch (*Motion picture*) U. S. Dept. of the Army, 1957.
4 min., sd., b&w, 16 mm.
Order no. TF 5-2353.
Summary: Demonstrates the procedure for adjusting the main flywheel clutch, including removal of inspection plate, initial check of clearance between yoke arms and release bearing housing, adjustment of linkage to obtain proper clearance, and final check and adjustment to insure proper clearance between release levers and release bearing.
Borrow from Army.

Grader, motorized, caterpillar no. 12: Before operation services (*Motion picture*) U. S. Dept. of the Army, 1957.
6 min., sd., b&w, 16 mm.
Order no. TF 5-2354.
Summary: Explains the services necessary to determine whether the caterpillar no. 12 motorized grader is in good working condition, including fuel supply, oil level, coolant, tires, gauges, lines and connections, loose or worn parts, brakes, and power controls.
Borrow from Army.

Grader, motorized, caterpillar no. 12: Starting and stopping procedures (*Motion picture*) U. S. Dept. of the Army, 1957.

4 min., sd., b&w, 16 mm.

Order no. TF 5-2355.

Summary: Describes the procedures for starting the starting engine, starting the diesel engine, stopping the diesel engine, and stopping the starting engine.

Borrow from Army.

Grain sanitation (Filmstrip) U. S. Dept. of Agriculture, 1954.

54 double fr., b&w, 35 mm.

Order no. 708.

With lecture notes.

Summary: Shows various insects that attack grain, the damage caused by insects and rodents, and methods of preventing insect infestation and rodent contamination of grain in storage.

Buy from PhotoLab.

The grain that built a hemisphere (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

11 min., sd., color, 16 mm.

Summary: Traces the history of corn and its importance in the development of civilization; and describes its uses today.

Buy from NF. *Cleared for tv. Prior authorization required.*

The grain that built a hemisphere
see also
Milho, o grão que foi o alicerce de um hemisfério
La semilla de oro

Grass (*Motion picture*) U. S. Dept. of Agriculture, 1954.

7 min., sd., b&w, 16 mm.

Summary: Shows the importance of grassland farming and the technique used for getting a grass stand started. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Grass and brush fire fighting (*Motion picture*) U. S. Dept. of Agriculture, 1945.

22 min., sd., color, 16 mm.

Summary: Demonstrates the techniques of fighting small grass and brush fires in the western United States.

Rent from DA film libraries.

Grass and cattle (*Motion picture*) U. S. Dept. of Agriculture, 1950.

16 min., sd., color, 16 mm.

Summary: Shows how the U. S. Forest Service is developing the range resources of the national forests for maximum use in the grazing of cattle, with full protection of the watershed.

Rent from DA Film Libraries. *Buy from* NF.

Grass: The big story (*Motion picture*) U. S. Dept. of Agriculture, 1953.

30 min., sd., color, 16 mm.

Summary: Explains the characteristics and values of grassland farming and how worn-out land can be rebuilt through scientific methods of grassland farming.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Grasshoppers can be controlled (*Motion picture*) U. S. Dept. of Agriculture, 1955.

22 min., sd., color, 16 mm.

Revision of the 1951 film issued under the title Your enemy: Grasshopper.

Summary: Demonstrates how to control grasshoppers through individual and community action in spraying infested areas. Describes conditions that are good and bad for egg laying and multiplying, and explains how serious outbreaks may develop.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Gravel and rock surfaces (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

8 min., sd., b&w, 16 mm. (Military roads series, no. 6)

Order no. TF 5-1198.

Summary: Demonstrates the principles of gradation, including the selection of materials and methods of placing selected material on a road base.

Borrow from Army. *Buy from* NF.

The great flood (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

39 fr., b&w, 35 mm.

Order no. 600.

Summary: Shows the results of the July 1951 Kansas flood, and emphasizes the importance of conservation methods on farms and watersheds, including contour planting, stubble mulching, check dams, sodding, etc.

Buy from PhotoLab.

The great gun (*Motion picture*) U. S. Dept. of the Army, 1952.

12 min., sd., b&w, 16 mm.

Order no. MF 9-7940 and/or TV 209.

Summary: Shows and explains tests conducted at Aberdeen Proving Grounds, Md., with the new U. S. Army 280-mm. gun.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Great Lakes Invader: The sea lamprey (*Motion picture*) U. S. Fish and Wildlife Service, 1953.

13 min., sd., color, 16 mm.

Summary: Explains how sea lamprey nearly destroyed the fish in the Great Lakes; how scientists studied various methods of controlling this predator and devised electrical barriers and the electromechanical weir and trap; and how, under a Federally sponsored program, the sea lamprey is being controlled and fishery resources restored.

Borrow from FWS. *Cleared for tv.*

Great land (*Motion picture*) U. S. Army Engineers, 1955.

30 min., sd., color, 16 mm.

Summary: Depicts the civil and military activities of the Corps of Engineers over a 50-year period, and gives a documentary record of the part the Corps has played in territorial development.

Borrow from Eng. *Cleared for tv.*

Great river (*Motion picture*) U. S. Bureau of Reclamation, 1963.

28 min., sd., color, 16 mm.

Summary: Portrays the Pacific Northwest and describes how the Columbia River system serves the needs of the region by providing power, irrigation, flood control, navigation, recreation, and fish and wildlife protection.

Borrow from BR. *Buy from* FKR.

The greatest good (*Motion picture*) U. S. Dept. of Agriculture, 1950.

11 min., sd., color, 16 mm.

Summary: Reviews the life and ideas of Gifford Pinchot, conservationist and forester; shows the development of conservation principles and their influence on forest management.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The greatest treasure (*Motion picture*) U. S. Information Agency, 1957. Made by Norwood Studios. Released for public educational use in the United States through U. S. Office of Education.

20 min., sd., b&w, 16 mm.

Summary: Describes the more important activities, services, and collections of the Library of Congress. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Greatness (*Motion picture*) U. S. Dept. of the Army, 1958.

9 min., sd., b&w, 16 mm.

Order no. TF 16-2519.

Summary: Portrays two enlisted men discussing their sergeant's merits. One soldier describes the sergeant as "great" and recounts several incidents illustrating the sergeant's qualities as a human being and as a leader. Made for us by Army chaplains.

Borrow from Army.

Greece (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFIF 55.
Summary: Reviews the history and culture of Greece, and describes her post-war recovery, current economic and social life, and position in NATO.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Greenland 1957 (*Motion picture*) U. S. Army Engineers, 1957.
25 min., sd., color, 16 mm.
Summary: Depicts the engineer research and development program of the U. S. Army Engineer Arctic Task Force on the Greenland ice cap, including some of the studies on undersnow camps, ice tunnels, and trafficability.
Borrow from Eng. *Cleared for tv.*

Grid navigation: Application of theory (*Motion picture*) U. S. Dept. of the Air Force, 1958.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5227b.
Summary: Shows in-flight procedures demonstrating the application of the grid navigation theory. Key points covered include the importance of the pacing diagram, the scheduling of the navigator's actions, communications between the pilot and navigator, and the transition from one chart to another.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Grid navigation: Introduction and theory (*Motion picture*) U. S. Dept. of the Air Force, 1958.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5227a.
Summary: Explains the basic factors of aerial navigation and the use of grid procedures in overcoming the problems of polar navigation. Covers special subjects including the use of the gyro, compensation for precession of the gyro, the earth's converging meridians, the grid overlay, and calculations in the Western and Eastern Hemispheres.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Grinding a deep hole (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the internal grinder, no. 2)
Order no. OE 78.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to grind the backing pins and work-holding jaws of three-jaw chuck to hold the work-piece; set length of stroke and break-through; correct for taper and bellmouth; and check a deep hole with an inside micrometer.

Buy from NF.

Grinding a deep hole (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
46 fr., b&w, 35 mm. (Machine shop work series. Operations on the internal grinder, no. 2)
Order no. OE 78–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Grinding a parallel bar. Part 1: Setting up the machine (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.
14 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 1)
Order no. OE 220.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to mount a grinding wheel; position the diamond tool and true the wheel; operate a magnetic chuck; use the controls of the grinder; and grind the face of the chuck.

Buy from NF.

Grinding a parallel bar. Part 1: Setting up the machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.
48 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 1)
Order no. OE 220–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a parallel bar. Part 2: Grinding operations (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.
15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 2)
Order no. OE 221.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to position the parallel bar on the chuck; rough-grind the opposite sides of the bar; rough-grind adjacent sides of the bar at exact right angles; and finish-grind all four sides.

Buy from NF.

Grinding a parallel bar. Part 2: Grinding operations (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.
44 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 2)
Order no. OE 221–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a plain pin. Part 1: The grinding wheel (*Motion picture*) U. S. Office of Education, 1944. Produced by Emerson Yorke Studio.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 1)
Order no. OE 80.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Cutting action of a grinding wheel; how to select the correct grinding wheel; handle and mount the wheel on the collet; and true and balance the wheel.

Buy from NF.

Grinding a plain pin. Part 1: The grinding wheel (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 1)
Order no. OE 80–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a plain pin. Part 2: Grinding operations (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 2)
Order no. OE 81.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lubricate and set up a center-type grinder; mount and adjust the workpiece for proper tension between centers; set the table reversing dogs; and rough-grind a plain pin.

Buy from NF.

Grinding a plain pin. Part 2: Grinding operations (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
36 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 2)
Order no. OE 81–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a slender shaft with back rest (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 3)
Order no. OE 82.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to select and set up a back rest; adjust the back rest during grinding; rough- and finish-grind the long shaft; and check and adjust for taper.

Buy from NF.

Grinding a slender shaft with back rest (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

29 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 3)

Order no. 82-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a straight hole (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the internal grinder, no. 1)

Order no. OE 77.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use a universal chuck; select the proper grinding wheel and adjust the wheel speed; set the length of the stroke; set the cross-feed for automatic grinding; and use the precision cross-feed for finish grinding.

Buy from NF.

Grinding a straight hole (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the internal grinder, no. 1)

Order no. OE 77-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a straight hole
see also
Rectificación de una perforación cilíndrica

Grinding a taper (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

19 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 5)

Order no. OE 84.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to prepare an arbor for grinding; mount and adjust the arbor between centers; adjust the swivel table and taper scale; rough- and finish-grind the taper; and check with the taper ring gage and light gage.

Buy from NF.

Grinding a taper (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

30 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 5)

Order no. OE 84-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a template (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 3)

Order no. OE 222.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount and true the wheel; mount the sine bar on the table; set the sine bar for specified angles; set up the template on the sine bar; rough- and finish-grind the template; and check the workpiece for accuracy.

Buy from NF.

Grinding a template (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 3)

Order no. OE 222-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding a V block (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 4)

Order no. OE 223.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: How to set up a V block to grind the ends and the V; rough- and finish-grind the ends; establish reference points for grinding the V to precision dimensions; and check the work for accuracy.

Buy from NF.

Grinding a V block (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

51 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 4)

Order no. OE 223-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding and facing a blind hole (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the internal grinder, no. 3)

Order no. OE 79.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount and dress the wheels on the two-spindle grinder; prepare the diaphragm chuck; plunge-grind the bore and adjust for taper; and grind the shoulder and flange parallel and at right angles to the bore.

Buy from NF.

Grinding and facing a blind hole (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

38 fr., b&w, 35 mm. (Machine shop work series. Operations on the internal grinder, no. 3)

Order no. OE 79-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding multiple-point carbide tools (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

29 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 3)

Order no. OE 243.

Supplemented by filmstrip with the same title.

With instructor's manual.

Summary: Shows how to resharpen by grinding a dull carbide milling cutter; grind individual teeth offhand; circle-grind; surface-grind; and finish surfaces and edges by honing.

Buy from NF.

Grinding multiple-point carbide tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

37 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 3)

Order no. OE 243-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding single-point carbide tools (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

26 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 2)

Order no. OE 242.

Supplemented by filmstrip with the same title.

With instructor's manual.

Summary: Shows how to semi-finish and finish-grind a dull tool; rough-grind a chipped or broken tip; grind a newly brazed tool; and grind a chip breaker.

Buy from NF.

Grinding single-point carbide tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

38 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 2)

Order no. OE 242–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Grinding thin discs (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 5)

Order no. OE 224.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to true the grinding wheel; load and operate the magnetic chuck; rough-grind the discs; finish-grind the discs to precision measurements; and check for accuracy and parallelism.

Buy from NF.

Grinding thin discs (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

45 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 5)

Order no. OE 224–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Griscom-Russell: How it works, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Distilling plants series. Low pressure type)

Order no. MN 3706–a.

Summary: Explains by animation the principles of operation of the low-pressure distilling plant (Griscom-Russell) Illustrates the development of a simple effect distilling plant, explaining the parts and their functions.

Borrow from Navy. Buy from NF.

Griscom-Russell: How it works, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Distilling plants series. Low pressure type)

Order no. MN 3706–b.

Summary: Explains by animation the parts, construction, and operation of a double effect distilling plant. Portrays a typical distilling plant, tracing by animation the flow of water, steam, vapor and condensation through the system.

Borrow from Navy. Buy from NF.

Ground adjustable propellers (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

55 fr., b&w, 35 mm.

Order no. FS 1–183.

Summary: Covers the parts, removal, installation, inspection, and cone-bottoming of ground-adjustable propellers.

Borrow from AF.

Ground aids to air navigation: Ship to shore (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Wilding Picture Productions.

19 min., sd., b&w, 16 mm.

Order no. MN 6925–c.

Summary: Explains the theory and shows operation of TACAN (tactical air navigation)

Borrow from Navy. Buy from NF. Cleared for tv.

Ground controlled approach equipment: Alignment of AN/CPN–4A (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

13 min., sd., b&w, 16 mm.

Order no. MN 8480–b.

Summary: Shows, by using the split-screen technique, both the adjustments and the scope patterns as alignment is accomplished in the system timing unit, the Coho amplifier, and the video switching unit.

Borrow from Navy. Buy from NF. Cleared for tv.

Ground controlled approach equipment: Siting (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

11 min., sd., b&w, 16 mm.

Order no. MN 8480–a.

Summary: Describes the siting and location of ground controlled approach equipment trailers at various runway locations on an airfield.

Borrow from Navy. Buy from NF. Cleared for tv.

Ground controlled approach of aircraft: Operational procedure (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.

38 min., sd., b&w, 16 mm.

Order no. MN 6694.

Summary: Demonstrates the principles and operation of ground controlled approach (GCA) on the field and in a plane.

Borrow from Navy. Buy from NF. Cleared for tv.

Ground handling of aircraft. Part 1: Fixed wing aircraft (*Motion picture*) U. S. Dept. of the Army, 1957.

23 min., sd., b&w, 16 mm.

Order no. TF 55–2503.

Summary: Explains principles and procedures from ground handling of fixed wing Army aircraft; describes the features and functions of the most widely used types; and shows the procedures in manhandling, servicing, taxiing, and mooring aircraft.

Borrow from Army.

Ground handling of aircraft. Part 2: Rotary wing aircraft (*Motion picture*) U. S. Dept. of the Army, 1957.

21 min., sd., b&w, 16 mm.

Order no. TF 55–2505.

Summary: Explains principles and procedures for ground handling of rotary wing Army helicopters; describes the features and functions of various rotary wing types; and demonstrates the procedures in manhandling, servicing, towing, and mooring helicopters.

Borrow from Army.

Ground safety on the flight line, part 1 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

9 min., sd., color, 16 mm.

Order no. TF 1–5047a.

Summary: Portrays the work of U. S. Air Force ground crews in servicing B–47's.

Borrow from AF. Buy from NF. Cleared for tv.

Ground safety on the flight line, part 2 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

16 min., sd., color, 16 mm.

Order no. TF 1–5047b.

Summary: Portrays an investigation of the burning of a B–47 Air Force plane.

Borrow from AF. Buy from NF. Cleared for tv.

Ground support on high (*Motion picture*) U. S. Dept. of the Air Force, 1963.

28 min., sd., color, 16 mm.

Order no. SFP 1194

Summary: Depicts the characteristics and combat capabilities of the F–105 Thunderchief. Points out the aircraft's superior quality in high performance and weapon delivery. Uses views of a simulated combat mission to demonstrate the potential of the F–105 weapon system in providing effective air support.

Borrow from AF. Cleared for tv.

The ground team: Designed for victory (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., b&w, 16 mm.
Order no. MF 80-1275.
Summary: Reviews the activities and achievements of U. S. infantry, artillery, and airborne troops during World War II.
Borrow from Army. *Buy from* NF.

Ground vibration tests of the XH-17 dynamic helicopter model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.
20 min., si., b&w, 16 mm.
Summary: Shows results of some ground vibration tests of a 1/10-scale model, constructed by the NACA, of the XH-17 experimental two-blade "flying crane" jet-driven helicopter. The film is divided into five parts, each part showing tests for different model parameters. For technical personnel, to be used with NACA Research memorandum L50 I 21: Description and investigation of the dynamic model of the XH-17 two-blade jet-driven helicopter.
Borrow from NASA.

Ground ways (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341-c.
Summary: Demonstrates step-by-step construction or placing of the following: tie timbers, bearer blocks, ground ways timbers, angle brackets, spur shores, grease strips, launching grease, and grease irons.
Borrow from Navy. *Buy from* NF.

Group living (*Motion picture*) U. S. Dept. of the Army, 1960.
9 min., sd., b&w, 16 mm.
Order no. TF 16-2885.
Summary: Discusses the pressures of group living as they exist today and raises the question as to whether the mounting pressures of society are depriving the individual of his right to live his life as he chooses.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Group shelter (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by U. S. Dept. of Agriculture.
10 min., sd., color, 16 mm.
Summary: Describes an underground corrugated-metal arch shelter design for the protection of 100 persons for two weeks or more. Uses a model to show the aboveground entryway and the underground compartments for sleeping, living, services, and utilities.
Borrow from AEC. *Buy from* DA-MPS. *Cleared for tv.*

Grow your own (*Motion picture*) U. S. Dept. of Agriculture, 1945.
16 min., sd., b&w, 16 mm.
Summary: Explains the essentials of good gardening—site selection, soil preparation, garden layout, planting, transplanting, cultivation, weed and pest control, and watering; shows in a "dream sequence" how plants grow; and closes with a series of humorous "don't's" of gardening.
Rent from DA Film Libraries. *Buy from* NF.

Growing national unity is checked by sectional differences
see American history I, lecture 9: Growing national unity is checked by sectional differences

The Growler story (*Motion picture*) U. S. Dept. of the Navy, 1958.
21 min., sd., color, 16 mm.
Order no. MN 8679.
Summary: Presents the story of one of the most famed acts of individual heroism of World War II, beginning with the departure of the submarine Growler from Pearl Harbor and climaxed by Commander Howard S. Gilmore's last command from his ship, "Take her down."
Borrow from Navy. *Cleared for tv.*

Growth of a language (*Motion picture*) U. S. Information Agency, 1960. Made by Milner-Fenwick. Released for public educational use in the United States through U. S. Office of Education, 1961.
29 min., sd., b&w, 16 mm.
Summary: Discusses the development of the English language and illustrates how differently it is spoken in various English-speaking countries. Includes examples of dialects recorded by people from all over the world.
Buy from NF. *Cleared for tv. Prior authorization required.*

Guadalajara (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., color, 16 mm.
Summary: A tourist view of the Mexican city of Guadalajara.
Buy from NF.

Guard of the sky: The NORAD story (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., color, 16 mm.
Order no. SFP 580.
Summary: Explains that NORAD, our North American Air Defense, is an integrated command reporting to Washington, D. C., and Ottawa, Canada, and that it is our greatest insurance against the devastating effects of a sneak air attack since it stands ready 24 hours a day, 365 days a year to defend us from a would-be aggressor.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Guarding against sabotage (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
32 min., sd., b&w, 16 mm.
Order no. TF 19-1740.
Revision of 1943 film with same title, order no. TF 19-2032.
Summary: Discusses the techniques of sabotage—including fire, explosives, and mechanical means—and presents several case histories of sabotage.
Borrow from Army. *Buy from* NF.

Guerra ao piolho (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Portuguese version of Kill the louse.
Summary: Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.
Buy from NF. *Cleared for tv.*

The guided bend test (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.
17 min., sd., b&w, 16 mm. (Welding procedures series. Testing, no. 1)
Order no. OE 189.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to prepare groove weld and fillet weld test specimens for the guided bend test; and make the test. Shows causes of failure in bending.
Buy from NF.

The guided bend test (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.
62 fr., b&w, 35 mm. (Welding procedures series. Testing, no. 1)
Order no. OE 189-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Guided missile safety, part 1: Shop safety (*Motion picture*) U. S. Dept. of the Army, 1961.
13 min., sd., b&w, 16 mm.
Order no. TF 9-3077
Summary: Demonstrates shop safety procedures in ordinance guided missile maintenance shops. Presents actual shop situations to illustrate the electrical, mechanical, chemical, and radiation dangers. Highlights safety precautions necessary when working with electronic equipment, inflammable chemical materials, and missiles.
Borrow from Army.

Guillotine amputation of the lower extremity (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

12 min., sd., color, 16 mm. (Amputations series, no. 1)

Order no. MN 3429-a.

Summary: Studies two basic indications for amputations (irreparable interference with blood supply and massive infection which cannot be controlled) and stresses selection of proper site of election before amputation. For medical personnel.

Borrow from Navy. *Buy from* NF.

Gypsy moth (*Motion picture*) U. S. Dept. of Agriculture, 1953.

28 min., sd., color, 16 mm.

Summary: Explains the destruction caused in North American forests by the gypsy moth and the cooperative Federal-State activities in the United States to eliminate this pest.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Gypsy moth (*Motion picture*) U. S. Dept. of Agriculture, 1961.

23 min., sd., color, 16 mm.

Revision of the 1953 film of the same title.

Summary: Explains that since 1869, when a few gypsy moths escaped from a Massachusetts scientist who was attempting to breed them with silkworms, this foreign insect has threatened the forested regions of North America. Discusses Federal-State activities which have limited this foliage-feeding pest to New England and eastern New York and is slowly reducing its area of infestation.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

The gyro compass series
see
The compass system
The gyroscope and gravitation

The gyroscope and gravitation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

14 min., sd., b&w, 16 mm. (The gyro compass series)

Order no. MN 1782-c.

Summary: Explains the theory and operation of pendulous and mercury ballistic type compasses, the effect of gravity on a gyroscope, and the operation of an Arma pendulous compass and a Sperry mercury ballistic compass.

Borrow from Navy. *Buy from* NF.

H

HSS automatic stabilization equipment (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Sun Dial Films.

17 min., sd., b&w, 16 mm.

Order no. MN 8137.

Summary: Shows pilot utilization of ASE (automatic stabilization equipment), proper operation of the equipment, and theory of operation.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The HWCTR and the heavy water power reactor program (*Motion picture*) U. S. Atomic Energy Commission, 1962.

32 min., sd., color, 16 mm.

Summary: Depicts the growing need for nuclear power and describes the features of heavy water reactors for use in power production. Describes the development program conducted by the Atomic Energy Commission on this reactor concept. Points out that design studies performed on promising heavy water reactor concepts established the technical feasibility and economic promise of this concept. Shows a test reactor called a heavy water components test reactor (HWCTR) constructed at the Savannah River Plant.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Habits and characteristics of the rat: The Norway rat (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

28 min., sd., b&w, 16 mm. (Rodent control series, no. 2)

Order no. TF 8-1670 or M 37-b.

Also known as Habits and characteristics of the Norway rat.

Short version, produced 1953 by U. S. Public Health Service, has title: The Norway rat: habits and characteristics.

Summary: Explains and pictures the characteristics and habits of the Norway rats—their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the habits of the Norway rats can man control them.

Borrow from Army.

Habits and characteristics of the rat: The Norway rat
see also
The Norway rat, habits and characteristics

Habits and characteristics of the rat: The roof rat (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

14 min., sd., b&w, 16 mm. (Rodent control series, no. 3)

Order no. TF 8-1671 or M 37-c.

Also known as Habits and characteristics of the roof rat.

Short version, produced 1954 by U. S. Public Health Service, has title: The roof rat, habits and characteristics.

Summary: Explains and pictures the characteristics and habits of the roof rats—their climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rats can man control them.

Borrow from Army.

Habits and characteristics of the rat: The roof rat
see also
The roof rat, habits and characteristics

Hacksaws (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

18 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 6)

Order no. TF 9-2081.

Summary: Shows various types of hacksaw frames and explains the proper and improper uses of each type.

Borrow from Army. *Buy from* NF.

Hail, alma mater (*Motion picture*) U. S. Dept. of the Army, 1951.

6 min., sd., b&w, 16 mm.

Order no. MF 45-7806.

Summary: West Point choir sings "Hail, alma mater" and "Army blue" with background scenes of West Point.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Half a chance (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

10 min., sd., b&w, 16 mm.

Order no. MF 8-1254.

Summary: Study of the successful orthopedic rehabilitation and personal psychological adjustment of an amputee.

Borrow from Army. *Buy from* NF.

The Halifax incident (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.

6 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-a.

A longer version, which included a part entitled Introduction, was produced and released in 1942.

Summary: Shows how misinterpretation of a ship's whistle signal caused the collision of the Halifax.

Borrow from Navy. *Buy from* NF.

Hammers (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
11 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 4)
Order no. TF 9–2029.
Summary: Explains the proper care and use of a machinist's ball, straight and cross peen hammers, sledge hammer, and a carpenter's claw hammer.

Borrow from Army. *Buy from* NF.

Hand dishwashing and general scullery practices (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.
11 min., sd., b&w, 16 mm.
Order no. MN 7461–a.
Summary: Explains necessary steps in efficient scullery operations, and demonstrates the scraping and pre-rinsing of utensils, proper uses of detergents, and washing and rinsing operations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hand soldering (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.
20 min., sd., b&w, 16 mm. (Accessory assembly series. Tools and procedures, no. 1)
Order no. OE 479.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Theory of soldering; how to prepare soldering irons and torches; clean and prepare the work; fasten joints; solder wire and lug joints; and seal seams.

Buy from NF.

Hand soldering (Filmstrip) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.
54 fr., b&w, 35 mm. (Accessory assembly series. Tools and procedures, no. 1)
Order no. OE 479–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Hand soldering
see also
Soldadura con cautin

Hand tools for fabric work (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.
55 fr., b&w, 35 mm.
Order no. SN 102.
Summary: Demonstrates how to sharpen a pocket knife; shows the straight shears, "pinking shears," the short straight needle, and the curved needle; and explains their use and care.

Borrow from Navy. *Buy from* NF.

Handling a lifeboat under oars. Part 1: Rowing (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm.
Order no. MCG 106, formerly MG 2160–a.
Summary: Demonstrates the proper wrist and body movements in rowing, and the four phases of a complete stroke.

Buy from NF.

Handling a lifeboat under oars. Part 2: Commands (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm.
Order no. MCG 112, formerly MG 2160–b.
Summary: Demonstrates the various commands used in handling a lifeboat under oars, and shows the proper stance for the coxswain and his men.

Buy from NF.

Handling and storing apples in pallet boxes (*Motion picture*) U. S. Dept. of Agriculture, 1959.
23 min., sd., color, 16 mm.
Summary: Presents the methods, devices, and equipment developed through engineering research on handling and storing apples in pallet boxes. Discusses criteria for the design and construction of pallet boxes and compares the use of such boxes with the use of conventional boxes. Shows and evaluates methods and equipment used in moving and handling apples in pallet boxes.
Rent from DA film libraries. *Cleared for tv.*

Handling and use of glassware (*Filmstrip*) U. S. Public Health Service, 1952.
82 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Basic laboratory training for nonprofessional workers, no. 2)
Order no. F 106–b.
Summary: Explains methods and precautions to be used in handling glassware in a laboratory.

Borrow from PHS. *Buy from* NF.

Handling fruits and vegetables (*Motion picture*) U. S. Dept. of Agriculture, 1961.

25 min., sd., color, 16 mm.
Summary: Demonstrates materials-handling systems and warehouse designs for wholesale distributors of fresh fruits and vegetables, including five systems for receiving and storing and three for assembly and truck loading. Describes and illustrates low-cost handling methods for some types of materials-handling equipment, sound management practices and an efficient warehouse design.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Handling livestock for market (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
21 min., sd., b&w, 16 mm. (Farm work series. Livestock, no. 3)
Order no. OE 459.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Causes of losses in marketing livestock; how to prevent injuries to livestock on the farm, before shipment, when loading, and during shipment.

Buy from NF.

Handling livestock for market (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
46 fr., b&w, 35 mm. (Farm work series. Livestock, no. 3)
Order no. OE 459–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Handwashing in patient care (*Motion picture*) U. S. Public Health Service, 1961.

15 min., sd., color, 16 mm.
Order no. M 462.
Summary: Demonstrates the importance of the conscientious practice of hand washing in order to avoid transmission of pathogens.
Borrow from PHS. *Buy from* NF.

Hardness testing: Rockwell (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
18 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 5)
Order no. OE 149.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Need for hardness testing; how to set up the Rockwell hardness tester; select and seat the penetrator; select and mount the anvil; adjust the timing of the machine; and test flat and curved surfaces.

Buy from NF.

Hardness testing: Rockwell (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
49 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 5)
Order no. OE 149–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Harnessing a river (*Motion picture*) U. S. Army Engineers, 1956.
14 min., sd., color, 16 mm.
Summary: Illustrates the need for flood control on the Genesee River; shows construction features of Mt. Morris Dam and describes the advantage of the structure to the city of Rochester; presents scenic views of the Genesee River Gorge and surrounding area.
Borrow from Eng. *Cleared for tv.*

Harnessing floods (*Motion picture*) U. S. Army Engineers, 1950.
14 min., sd., color, 16 mm.
Summary: Demonstrates the construction of a large earth dam, and explains the benefits derived from such a structure.
Borrow from Eng. *Cleared for tv.*

Harvest of learning (*Motion picture*) U. S. Information Agency, 1962. Made by Calvin Productions. Released for educational use in the United States through U. S. Office of Education, 1963.
31 min., sd., b&w, 16 mm.
Summary: Describes the land grant colleges and universities in the United States, emphasizing their unique character and contribution to the Nation's educational system.
Buy from NF.

Harvesting native grass seed (*Motion picture*) U. S. Dept. of Agriculture, 1945.
10 min., sd., color, 16 mm.
Summary: Shows methods of harvesting the seed of tall and short grasses, the use of a standard combine, methods of cleaning seed, and the value of using native grasses in soil and water conservation.
Rent from DA film libraries.

Harvests for tomorrow (*Motion picture*) U. S. Dept. of Agriculture, 1941.
27 min., sd., b&w, 16 mm.
Summary: Shows the basic need for soil conservation in New England and the use of soil building practices, particularly grasses and legumes.
Rent from DA Film Libraries. *Buy from* NF.

Hasty sign making (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. FB 19-246.
Summary: Demonstrates procedures to be followed, using an army kit of materials, in making signs by the silk screen process.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hatch canopy (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
90 fr., b&w, 35 mm. (Shipbuilding skills series. Sailmaking)
Order no. SN 2343–n.
Supplements the motion pictures with titles: Hatch canopy, part 1: Measuring and drawing; part 2, Layout; part 3, Machining and finishing-off.
Summary: Explains procedures for making a drawing for a hatch canopy; illustrates how drawing is used to make a floor layout; and shows how to machine the canvas.
Borrow from Navy. *Buy from* NF.

Hatch canopy. Part 1: Measuring and drawing (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sailmaking)
Order no. MN 2343–b.
Supplementary filmstrip with title Hatch canopy, also available.
Summary: Explains procedures for making rough sketch, taking measurements, and making isometric drawing for a hatch canopy.
Borrow from Navy. *Buy from* NF.

Hatch canopy. Part 2: Layout (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sailmaking)
Order no. MN 2343–c.
Supplementary filmstrip with title Hatch canopy, also available.
Summary: Illustrates how scale drawing is used to make a floor layout, how canvas is marked and cut from floor layout and prepared for machining.
Borrow from Navy. *Buy from* NF.

Hatch canopy. Part 3: Machining and finishing-off (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sailmaking)
Order no. MN 2343–d.
Supplementary filmstrip with title Hatch canopy, also available.
Summary: Shows rubbing of the edges and machining of the canvas; installing grommets; measuring, cutting, and stretching rope.
Borrow from Navy. *Buy from* NF.

The haven (*Motion picture*) U. S. Information Agency, 1954. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1954.
16 min., sd., b&w, 16 mm.
Summary: Portrays the settlement in New Jersey of a group of Russian refugees and explains how they are making a new life for themselves in the United States. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

The Hawaii University choir in Japan (*Motion picture*) U. S. Information Agency, 1959. Released for public educational use in the United States through U. S. Office of Education, 1959.
24 min., sd., b&w, 16 mm.
Summary: Portrays the Japanese tour of the 60-voice choir of the University of Hawaii and shows, through the simplicity and naturalness of the group's performances, the interracial harmony of the people of Hawaii. Filmed in Japan. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Hay is what you make it (*Motion picture*) U. S. Dept. of Agriculture, 1946.
18 min., sd., color, 16 mm.
Summary: Shows how to improve the quality of hay by cutting at the right stage of growth, curing the right length of time, and storing properly.
Rent from DA film libraries.

Hay que alimentar la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Spanish version of The land must eat.
Summary Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.
Buy from NF. *Cleared for tv.*

Hazards in ground operation of jet aircraft (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Industrial Films. Released for public educational use through U. S. Office of Education, 1950.
5 min., sd., color, 16 mm. (Flight safety series)
Order no. MN 4353–p.
Summary: Explains through animation the exhaust blast, suction, and cooling hazards of jet propelled aircraft; and safety precautions to prevent injury to personnel and damage to jet engines.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hazards of dental radiography (*Motion picture*) U. S. National Bureau of Standards, 1954.
13 min., sd., color, 16 mm.
Summary: Illustrates the elementary physics concerned with dental radiography and, by showing actual radiographic procedures in the dental office, points out the hazarads involved in the use of X-radiation by the dentist.
Borrow from NBS. *Buy from* NBS.

Head and neck anatomy series
see
Carotid triangle
Masseter, temporal muscles and temporal fascia
Parotid gland and facial nerve
Submandibular and submental triangle
Superficial structures and boundaries of carotid triangle

Head injury, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., color, 16 mm. (Medicine in action series, no. 8)
Order no. MN 3726–h.
Summary: Presents a cranial operation and demonstrates surgical and medical techniques involved. For medical personnel.
Borrow from Navy. *Buy from* NF.

Head of the house (*Motion picture*) U. S. Information Agency, 1953. Made by Mental Health Film Board. Released for public educational use in the United States through U. S. Office of Education, 1954.
40 min., sd., b&w, 16 mm.
Summary: Depicts the emotional problems of a young boy, his rebellion against parental controls, particularly his father's repressive discipline, and his gradual development into a potential juvenile delinquent. Shows the assistance of a community social worker and a neighborhood welfare house in bringing about development of better understanding between father and son. Stresses American spirit of public service and community concern for child welfare. Prepared for overseas use.
Buy from NF.

Headquarters U. S. A. (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
30 min., sd., b&w, 16 mm.
Order no. AFIF 70.
Summary: Portrays a tour taken by a group of servicemen through Washington, D. C., covering highlights such as the White House, the Capitol, the Washington, Jefferson, and Lincoln Memorials, the National Archives, and the Tomb of the Unknown Soldier.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Health for the Americas series
see
Cleanliness brings health
Environmental sanitation
How disease travels
The human body
Infant care
Planning for good eating
Tuberculosis
What is disease?

Health hazards of pesticides (*Motion picture*) U. S. Public Health Service, 1958.
14 min., sd., color, 16 mm.
Order no. M 204.
Summary: Emphasizes the potential public health hazards resulting from the widespread use of pesticides, explains the work of the Communicable Disease Center's toxicology laboratories in measuring this hazard, and makes recommendations for the safe use of pesticides.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Healthier livestock through research (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
Summary: Describes research conducted on foot-and-mouth disease at the Animal Disease Laboratory, Plum Island, N. Y. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Hearing evaluation and rehabilitation (*Motion picture*) U. S. Dept. of the Army, 1960.
24 min., sd., b&w, 16 mm.
Order no. PMF 5326.
Summary: Describes the work of the Audiology and Speech Center at the Walter Reed Hospital, Washington, D. C., in the evaluation and rehabilitation of hearing loss in military personnel. Depicts the tests conducted to evaluate hearing loss and describes the speech evaluation tests performed on patients suffering from hearing loss. Shows the various phases of the rehabilitation program. Emphasizes that each case is discussed and evaluated by the rehabilitation team to assure proper physical and emotional rehabilitation of patients.
Borrow from Army.

Heart of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1956.
14 min., sd., b&w, 16 mm.
Order no. MN 8224.
Summary: Shows how the Navy provided help during the Berlin blockade, the winter storms of January 1949, the Greek island quakes of August 1953, the Vietnam evacuation of August 1954, and the Mexico flood of October 1954. Also shows how the Navy aided Korean orphans in 1953.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Heat and its control (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.
20 min., sd., b&w, 16 mm.
Order no. 192.
Summary: Emphasizes the importance of controlling heat and the many roles heat plays in present-day life; explains three methods of heat transfer—radiation, convection, and conduction; and shows the manufacture and use of insulating materials such as magnesia, rockwool, asbestos, and celite.
Borrow from BM. *Cleared for tv.*

Heat disorders: General effects of heat on man (*Motion picture*) U. S. Dept. of the Army, 1960.
22 min., sd., b&w, 16 mm.
Order no. TF 8–2762.
Summary: Describes the causes, symptoms, treatment, and prevention of the three major heat disorders that may be encountered by troops when living and working in extremely hot climate—heat cramps, heat exhaustion, and heat stroke.
Borrow from Army. *Buy from* NF.

Heat disorders: Heat exhaustion, heat stroke, and cramps (*Motion picture*) U. S. Dept. of the Army, 1952.
25 min., sd., b&w, 16 mm.
Order no. PMF 5167.
Summary: Explains the causes, symptoms, treatment, and preventive measures for three common heat disorders: heat exhaustion, heat stroke, and heat cramps. Through animated diagrams analyzes the physiological aspects of the undue heat load, the common cause of various heat disorders.
Borrow from Army.

Heat treatment of aluminum, film 1 (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.
19 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 344.
Supplemented by filmstrip with the same title.
With instructor's manual.
Summary: Purpose of heat treatment; microstructure changes during heat treatment; procedure of heat treatment; aging or precipitation hardening; effects of heat treatment on the physical properties of aluminum.
Buy from NF.

Heat treatment of aluminum, film 1 (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.
47 fr., b&w, 35 mm. (Engineering series)
Order no. OE 344–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Heat treatment of aluminum, film 2 (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.
24 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 345.
Supplemented by filmstrip with the same title.
With instructor's manual.
Summary: Nature of cold-working operations; microstructure changes during cold working and during annealing; cold working and annealing operations.

Buy from NF.

Heat treatment of aluminum, film 2 (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.
41 fr., b&w, 35 mm. (Engineering series)
Order no. OE 345–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Heat treatment of steel series
see Engineering series. Heat treatment of steel

Heavy lifts (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
21 min., sd., b&w, 16 mm. (Military stevedoring series, no. 7)
Order no. TF 55–1744.
Summary: Demonstrates proper techniques to be used in the slinging, lifting, steadying, lowering, bracing, and lashing of various types of heavy equipment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Height gages and test indicators (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.
12 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 5)
Order no. OE 5.
Supplemented by filmstrip with the same title.
With instructor's manual.
Summary: Presents the principles and parts of the vernier height gage; shows how to use the gage to lay out holes and to set test indicators; and how to use test indicators to check the accuracy of machined surfaces.

Buy from NF.

Height gages and test indicators (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
34 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 5)
Order no. OE 5–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Helicopter: Arctic operations (*Motion picture*) U. S. Dept. of the Air Force, 1958.
29 min., sd., color, 16 mm.
Order no. TF 1–5102a.
Summary: Demonstrates techniques and procedures necessary for safe helicopter operations in the Arctic.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The helicopter as an aid in Alaska surveys (*Motion picture*) U. S. Geological Survey, 1952.
12 min., si., color, 16 mm.
Summary: Shows the use of the helicopter in field operations in the topographic mapping of rugged and remote areas.
Borrow from GS.

Helicopter: Emergency procedures. Part 1: Blade stalls (*Motion picture*) U. S. Dept. of the Air Force, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5102g.
Summary: Shows emergency procedures to be followed during blade stalls. Explains stall areas, angle of pitch, recovery procedures, reverse flow, weight, turbulence, high density altitudes, G forces, and lift and drag factors.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Helicopter: Emergency procedures. Part 2: Emergency procedures in the H–13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5102h.
Summary: Demonstrates emergency procedures in case of blade stall, turbulence, loss of directional control, loss of fan belt, and mechanical failures.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Helicopter: Emergency procedures. Part 3: Emergency procedures in the H–19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
8 min., sd., b&w, 16 mm.
Order no. TF 1–5102i.
Summary: Demonstrates emergency procedures such as recovery from stalls, settling with power, blade and serve stalls, and emergency landings. Explains techniques of ditching with passengers.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Helicopter: Emergency procedures. Part 4: Emergency procedures in the H–21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
6 min., sd., b&w, 16 mm.
Order no. TF 1–5102j.
Summary: Demonstrates what to do in emergencies, including procedures to be employed in case of fire and ditching.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.
8 min., si., b&w with color sequences, 16 mm.
Summary: Motion pictures made by a camera mounted in the nose of a single-rotor helicopter showing the effects of increased damping, varied by electronic components, in roll, pitch, and yaw on flying qualities in precision visual maneuvers and instrument approaches. For technical personnel to be used with NACA Technical note 3537, Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw.
Borrow from NASA.

Helicopter maintenance. Part 1: Helicopter power plants (*Motion picture*) U. S. Dept. of the Army, 1957.
13 min., sd., b&w, 16 mm.
Order no. TF 55–2308.
Summary: Shows basic similarities and differences between the six types of power plants currently used in helicopters, including their nomenclature, components, features, operation, installation, and maintenance; and stresses reference to applicable technical orders for proficiency in engine maintenance and repair.
Borrow from Army.

Helicopter maintenance. Part 2: Transmissions and free wheeling units (*Motion picture*) U. S. Dept. of the Army, 1957.
16 min., sd., b&w, 16 mm.
Order no. TF 55–2309.
Summary: Shows the functions and operation of helicopter transmissions, including planetary gear reduction in the H–13 and H–23 and changing angle of drive in the H–19 and H–21. Describes the free wheeling units in the H–13, H–23, H–19, H–21, and H–25, and shows how these units, though varying in design, operate on the same principle to provide positive lock during normal rotation and free wheeling during autorotation. Stresses proper use of applicable technical orders for proficient maintenance and repair of helicopter transmissions.
Borrow from Army.

Helicopter maintenance. Part 3: Introduction to power trains (*Motion picture*) U. S. Dept. of the Army, 1957.
15 min., sd., b&w, 16 mm.
Order no. TF 55–2310.
Summary: Discusses the function, major components, and operation of the single rotor type power train in the H–19 helicopter, and the tandem rotor type power train in the H–21 helicopter.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Helicopter maintenance. Part 5: Rotor blade inspection, repair, and tracking (H–19, H–34, H–37) (*Motion picture*) U. S. Dept. of the Army, 1958.
33 min., sd., b&w, 16 mm.
Order no. TF 55–2312.
Summary: Shows helicopter rotor blade maintenance of the H-19, H-34, and H-37, including safe handling and proper cleaning of blades; performance of inspections; types of blade damage; limits of repair; repair of pocket punctures, nicks, scratches, and cracks; replacement of tip fairings; refinishing; corrosion prevention; blade installation; blade tracking; tracking adjustment; and test flight to insure proper blade balance and operating efficiency. Stresses the use of applicable technical orders for instruction in all inspections and repairs.
Borrow from Army.

Helicopter: Mountain operations (*Motion picture*) U. S. Dept. of the Air Force, 1957.
25 min., sd., color, 16 mm.
Order no. TF 1–5102b.
Summary: Describes techniques and procedures necessary to the safe operation of helicopters in mountainous terrain. Shows preflight plans and precautionary measures, cargo loading, sling loads, power conservation through maximum utilization of mountain winds, and turbulence and similar obstacles encountered in mountain operations. Shows an actual flight of two H–19's to explain safe approaches and takeoffs.
Borrow from AF *Buy from* NF. *Cleared for tv.*

Helicopter orientation: Introduction to helicopters (*Motion picture*) U. S. Dept. of the Army, 1958.
20 min., sd., b&w, 16 mm.
Order no. TF 46–2554.
Summary: Depicts the historical development of the helicopter from the fifteenth century to the present and shows several types of helicopters in use by the military services as well as some experimental models. Discusses basic helicopter flight principles, including gravity, lift, thrust, drag, torque, dissymmetry of lift, and the effects of collective and cyclic pitch change. Shows flight controls in a typical helicopter and some civil and military applications of the heliopter.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Helicopter orientation: Introduction to rotary wing flight (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.
27 min., sd., b&w, 16 mm.
Order no. MN 7306–a.
Summary: Explains the history of helicopter development, the uses and versatility of the helicopter, and the basic aerodynamic principles as applied to helicopter flight. Uses animation to show the effect of density altitude and to illustrate aerodynamic principles.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Helicopter orientation: Operation of the single main rotor helicopter (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.
19 min., sd., b&w, 16 mm.
Order no. MN 7306–b.
Summary: Shows the procedure used in preflighting the helicopter from the pilot's viewpoint. Demonstrates how the controls are used in flight and the effects of applying the different controls. Illustrates starting the engine and shows procedures used in checking engine operation before take-off. Stresses location of, and proper indications of, all instruments. Shows how to secure the helicopter after flight.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Helicopter orientation: The basic anatomy of the helicopter (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.
15 min., sd., b&w, 16 mm.
Order no. MN 7306–c.
Summary: Illustrates main component parts of the HTL–5 helicopter. Shows in animated diagrams the fuel, electrical, and basic flight-control systems.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Helicopter post flight inspection: The H–34 (*Motion picture*) U. S. Dept. of the Army, 1957.
26 min., sd., b&w, 16 mm.
Order no. TF 46–2338.
Summary: Shows the post flight inspection of the H-34 helicopter, with emphasis on the importance of the inspection, standard procedures, and use of standard forms. Illustrates the duties of each man of a three-man inspection team.
Borrow from Army.

Helicopter rescue at sea (*Motion picture*) U. S. Dept. of the Navy, 1959.
21 min., sd., color, 16 mm.
Order no. MN 8760–a.
Summary: Describes how a survivor, by knowing what to do, can cooperate in his own rescue by helicopter.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Helicopter special delivery (*Motion picture*) U. S. Dept. of the Army, 1953.
11 min., sd., b&w, 16 mm.
Order no. MF 45–7945.
Summary: Portrays a river crossing effected through the use of a helicopter company, in which the "whirly-birds" not only deliver men, artillery, and ammunition, but also carry back the wounded.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Helicopter: Vibrations and resonance. Part 1: Vibrations in the H–13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5102c.
Summary: Explains various types of vibration in the H-13 helicopter and how to determine the cause of each. Through animation, describes and traces to the cause each tell-tale vibration. Explains low, medium, and high frequency vibrations.
Borrow from AF *Buy from* NF. *Cleared for tv.*

Helicopter: Vibrations and resonance. Part 2: Vibrations in the H–19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
7 min., sd., b&w, 16 mm.
Order no. TF 1–5102d.
Summary: Demonstrates vibrations in the H–19, and checks to determine the causes, including medium and high frequency vibration, blades out of track, improper torque, internal malfunctions, main and tail rotor assembly, tail rotor driveshaft, etc.
Borrow from AF *Buy from* NF. *Cleared for tv.*

Helicopter: Vibrations and resonance. Part 3: Vibrations in the H–21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.
5 min., sd., b&w, 16 mm.
Order no. TF 1–5102e.
Summary: Tell-tale vibrations in the H-21 are demonstrated, described, and traced to the cause.
Borrow from AF *Buy from* NF. *Cleared for tv.*

Helicopter: Vibrations and resonance. Part 4: Ground resonance (*Motion picture*) U. S. Dept. of the Air Force, 1957.
8 min., sd., b&w, 16 mm.
Order no. TF 1–5102f.
Summary: Demonstrates by animation the techniques required to avoid ground resonance caused by severe oscillation, unbalanced rotor system, low strut, low tire, faulty loading, etc.
Borrow from AF *Buy from* NF. *Cleared for tv.*

Helicopter weight and balance (*Motion picture*) U. S. Dept. of the Army, 1957.
25 min., sd., b&w, 16 mm.
Order no. TF 46–2339.
Summary: Explains the basic principles of weight and balance in terms of helicopter flight requirements, illustrating the special sensitivity of rotary wing aircraft to weight and balance variations. Emphasizes that the principles of weight and balance apply to all types of helicopters.
Borrow from Army.

Helicopters in fire control (*Motion picture*) U. S. Dept. of Agriculture, 1960.

14 min., sd., color, 16 mm.
Summary: Shows the various ways in which the small helicopter has proved valuable in fire control; explains how its use must be wisely managed by trained personnel and coordinated with other air and ground equipment.
Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Hell for leather (*Motion picture*) U. S. War Dept., 1946.
10 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1278.
Summary: History of the U. S. 1st Cavalry Division, particularly during World War II.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hell on wheels (*Motion picture*) U. S. Dept. of the Army, 1951.
17 min., sd., b&w, 16 mm.
Order no. MF 17-7864.
Summary: Covers the highlights in the history of the 2d Armored Division.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Help available (*Motion picture*) U. S. Dept. of the Air Force, 1955.
23 min., sd., b&w, 16 mm.
Order no. SFP 330.
Summary: Reviews the training of SA-16 pilots at Albrook Air Force Base in Panama in wet ditch drilling, use of rubber rafts, Mae Wests, survival kits, and living in the jungle; and recreates a rescue of a South American plane forced down in the Panama jungle.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Helping teachers to understand children, part 1 (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.
21 min., sd., b&w, 16 mm.
Summary: Tells the story of the work of the Institute for Child Study at the University of Maryland and shows how a school faculty may set up a local child study program and receive guidance and aid from the institute. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Helping teachers to understand children, part 2 (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.
25 min., sd., b&w, 16 mm.
Summary: Describes a summer workshop conducted at the Institute for Child Study at the University of Maryland. Shows the various activities that aid in making the group more fully aware of the many forces that effect a child's personality, his approach to other children, adults, and his school studies. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Helping the 4-H junior leader to grow (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

23 fr., color, 35 mm. (Leadership development series)
Order no. C-87
Summary: Presents information to help adult project leaders in working with 4-H junior leaders.

Buy from Photo Lab.

Hematological technique: Collecting blood samples (*Motion picture*) U. S. Dept. of the Navy, 1954.
7 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MN 9875-a.
Summary: Demonstrates how to collect blood samples from the finger.

Borrow from Navy. *Buy from* NF.

Hematological technique for charging the hemocytometer (*Motion picture*) U. S. Dept. of the Navy, 1954.
6 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MN 9875-b.
Summary: Demonstrates how to take a blood count of red and white corpuscles.

Borrow from Navy. *Buy from* NF.

Hemimandibulectomy and immediate restoration with acrylic implant (*Motion picture*) U. S. Veterans Administration, 1954.
25 min., sd., color, 16 mm.
Summary: Presents a case of adamantinoma and demonstrates the resection of the left hemimandible including the condyle, and the immediate implantation of an acrylic prothesis.

Borrow from VA. *Buy from* NF.

Hemorrhagic fever: Clinical features (*Motion picture*) U. S. Dept. of the Army, 1955.
45 min., sd., color, 16 mm.
Order no. PMF 5301.
Summary: Summarizes knowledge gained through the past years on epidemic hemorrhagic fever among United Nations troops in Korea. Presents current opinion on the epidemiology, etiology, and control of the disease. Emphasizes clinical and pathological findings and current therapeutic measures for the disease.
Borrow from Army.

Hemothorax with a consideration for specific remedial breathing exercises (*Motion picture*) U. S. War Dept., 1946.
41 min., sd., color, 16 mm. (Thoracic surgery, no. 1)
Order no. PMF 5016.
Summary: Describes pathologic, diagnostic, and therapeutic aspects of hemothorax and other disorders of the pleura and pleural cavity. For medical personnel.
Borrow from Army.

The hepatic parenchyma and the biliary passages
see The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages

Herald tribune youth forum (*Motion picture*) U. S. Dept. of State, 1951. Produced by RKO Pathe. Released for educational use in the United States through U. S. Office of Education, 1951.
38 min., sd., b&w, 16 mm.
Summary: Covers a visit to the United States of 25 students from Eastern and Middle Asia, their participation in the fifth annual forum for high-school students held by the New York Herald tribune, and their impressions of the United States. Prepared for overseas use.

Buy from NF.

Hereditary ataxia (*Motion picture*) U. S. Dept. of the Army, 1949.
31 min., sd., color, 16 mm.
Order no. PMF 5140.
Summary: Explains hereditary and clinical characteristics of hereditary ataxia, including early symptoms, later indications, and signs of advanced stages. Discusses diagnostic procedures. For medical personnel.
Borrow from Army.

Heritage of freedom (*Motion picture*) U. S. Dept. of the Army, 1963.

38 min., sd., b&w, 16 mm.
Order no. AFIF 124
Summary: Presents four events widely separated in time, location, and happenstance, which are bound together by the common factor that each contributed in some measure to freedom in the United States today, portraying the circumstances surrounding Joe Palmer's beard, the trials of Yick Wo in his San Francisco hand laundry, the Triangle fire in New York's garment district, and the refusal of James Otis to accept the legality of search and seizure without a warrant.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Heritage restored (*Motion picture*) U. S. Dept. of Agriculture, 1962.

14 min., sd., color, 16 mm.
Summary: Tells the story of early use and abuse of forest lands in Eastern United States; the passage of the Weeks law in 1911 placing the first national forest lands in the East under protection; and the productivity of these lands today.

Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

A heritage we guard (*Motion picture*) U. S. Dept. of Agriculture, 1940.
30 min., sd., b&w, 16 mm.
Summary: Traces the exploitation of land, forests, and wildlife in the westward movement of trappers and settlers; shows the consequences of this wastage, and emphasizes the relationship between wildlife and soil conservation.

Rent from DA Film Libraries. *Buy from* NF.

Hero next door (*Motion picture*) U. S. Dept. of the Air Force, 1957.
27 min., sd., b&w, 16 mm.
Order no. SFP 350.
Summary: Explains the function of the Civil Air Patrol; illustrates its methods of search and rescue, its function of mercy, and disaster missions.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The Hessian fly and its control (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
33 fr., b&w, 35 mm.
Order no. 407.
With lecture notes.
Summary: Explains the history and life habits of the Hessian fly and recommends measures for its control.
Buy from PhotoLab.

Hi-valu and you (*Motion picture*) U. S. Dept. of the Air Force, 1961.

18 min., sd., color, 16 mm.
Order no. SFP 1029
Summary: Explains the hi-valu program within the Air Force supply system for the special handling, meticulous care, and exacting inventory control of vital but costly items. Explains that Air Force and civilian specialists comprise the hi-valu review boards which establish policies for implementing this program. Outlines procedures for repairing these items both on and off military bases and emphasizes the priority treatment received.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The hidden menace (*Motion picture*) U. S. Dept. of Agriculture, 1958.
23 min., sd., color, 16 mm.
Summary: Points out ways in which pests and diseases are unwittingly carried from one country to another, and how travelers can help customs inspectors and American agriculture in controlling this problem.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

High altitude, high speed, flight problems: Physiological effects (*Motion picture*) U. S. Dept. of the Navy, 1952.
23 min., sd., color, 16 mm.
Order no. MN 6915–a.
Summary: Describes physiological effects on the pilot of flight at high altitude and high speeds. Explains the operation of oxygen equipment, cabin pressurization and ventilation, "G" suits, and escape methods. Demonstrates oxygen equipment, preflight and inflight checks.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

High energy particle accelerators (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Audio Productions.

30 min., sd., color, 16 mm.
Summary: Surveys the work of particle accelerators in high-energy physics, shows the major accelerator installations in the United States, the major accelerators under construction, and a series of typical experiments with high-energy particles. Explains, with live action and animation, the components and operations of various types of accelerators and gives a description of bubble chambers.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

High frequency soldering (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
17 min., sd., b&w, 16 mm. (*Accessory assembly series. Tools and procedures, no. 2*)
Order no. OE 480.
With instructor's manual. Supplemented by filmstrip with same title.
Summary: Theory of high frequency heating; how to select a work coil and leads; tune a converter; determine correct soldering time and temperature; and use an automatic timer.

Buy from NF.

High frequency soldering (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.
57 fr., b&w, 35 mm. (*Accessory assembly series. Tools and procedures, no. 2*)
Order no. OE 480–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

High plain (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
20 min., sd., b&w, 16 mm.
Summary: Portrays and describes the lives of the descendants of the Aymara tribe living on the high plain of Bolivia.

Buy from NF.

High speed air flow for airfoils (compressibility) (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.
30 min., sl., b&w, 16 mm.
Summary: Pictures of high-speed air flow over airfoils and the shock waves and effect of compression at speeds approaching and above that of sound. Includes views of NACA high-speed rectangular wind tunnel and the schlieren apparatus. For use by technical personnel.
Borrow from NASA.

The high speed blender (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.
81 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Infectious hazards of bacteriological techniques, no. 4)
Order no. F 57–e.
Summary: Demonstrates how a high speed blender may liberate dangerous aerosols from cultures of infectious organisms, and suggests the use of a ventilated safety cabinet.

Borrow from PHS *Buy from* NF.

High-speed flight research [**at Muroc**] (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
21 min., sd., color, 16 mm.
Silent version also released in 1952 with the title NACA high-speed flight research station.
Summary: Shows some of the highly-instrumented aircraft and operations in a program of flight research at speeds approaching and exceeding the speed of sound, conducted by the NACA in cooperation with the U. S. Air Force, U. S. Navy, and aircraft manufactures. For use by technical personnel.
Borrow from NASA.

High–speed flight research at Muroc
see also
NACA high–speed flight research station

High-speed photographs of autoignition and knock in a spark-ignition reciprocating engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.
40 min., sd., b&w, 16 mm.
Order no. TF 20.
Revision of the 1946 silent film with the same title.
Summary: High-speed pictures of the combustion process in a spark-ignition reciprocating engine. For technical personnel, to be used with NACA Report 855: Relations between spark-ignition engine knock, detonation waves, and autoignition as shown by high-speed photography, and with NACA Report 857: Analysis of spark-ignition engine knock as seen in photographs taken at 200,000 frames per second.
Borrow from NASA.

High temperature materials (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
27 min., sd., color, 16 mm.
Order no. HQ-4.
Summary: Describes the improvement of existing alloys by dispersions of stable high-melting-point particles, the study of alloy systems based on the high-melting-point metals, such as tungsten and columbium, and the study of the underlying reasons for the brittleness of ceramics. For technical personnel.
Borrow from NASA.

High-temperature short-time pasteurization: Equipment and controls (*Filmstrip*) U. S. Public Health Service, 1951.
96 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 10-a.
Supplements the motion picture released under the title **High-temperature short-time pasteurization.**
Summary: Shows the essential components of a high-temperature short-time pasteurization installation, its structure, flow plan, and operating principles.
Borrow from PHS. *Buy from* NF.

High-temperature short-time pasteurization: inspection and testing (*Motion picture*) U. S. Public Health Service, 1960.
25 min., sd., color, 16 mm.
Order no. M-391
Revised version of the 1951 motion picture.
Summary: Shows procedures for testing the functioning and accuracy of high-temperature short-time pasteurization controls in accordance with the standard milk ordinance.
Borrow from PHS. *Buy from* NF.

Higher and faster (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1951.
19 min., sd., b&w, 16 mm.
Order no. AFSR 99.
Summary: Traces the rapid advancement in the construction of airplanes since the time of the Wright Brothers; and the role of airplanes in achieving victory in World Wars I and II.
Borrow from Army. *Buy from* NF.

Highline (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1950.
20 min., sd., color, 16 mm.
Summary: Explanation and pictorial survey of the construction and operation of the transmission network of the Bonneville Power Administration for marketing hydro-electric power from Bonneville and Grand Coulee Dams.
Borrow from BPA.

Highways in the sky (*Motion picture*) U. S. Dept. of the Air Force, 1955.
34 min., sd., color, 16 mm.
Order no. SFP 386.
Summary: An orientation film on charts in general with an explanation of the science and production of U. S. Air Force charts based on trimetrogon reconnaissance photography.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Himalayan awakening (*Motion picture*) U. S. Information Agency, 1957. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education.
35 min., sd., color, 16 mm.
Summary: Describes the social, cultural, economic, and historical background of modern Nepal, and its accomplishments through a planned program of economic development with assistance from India and the United States. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Histopatholgical technique: Processing a gross specimen (*Motion picture*) U. S. Dept. of the Navy, 1954.
10 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MN 9375-d.
Summary: Demonstrates the methods involved in preparing and freezing a gross specimen.
Borrow from Navy. *Buy from* NF.

The histopathology of human fungus infections series
see
Cutaneous infections
Subcutaneous infections
Superficial infections
Systemic infections

Historic rural homes (*Filmstrip*) U. S. Dept. of Agriculture, 1936.
48 fr., b&w, 35 mm.
Order no. 334.
With lecture notes.
Summary: Photographs of famous farm homes which are of interest because of their association with leaders in American history and American agriculture.
Buy from PhotoLab.

Historical reports series
see
The Admiralty Islands
American First Army: Aachen to the Roer River
American Ninth Army: Aachen to the Roer River
Bougainville
D-day convoy
Invasion of southern France
Military pipeline system: CBI theater
Naples to Cassino
Sicily to Naples

The history of the U. S. Army uniform (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 567.
Summary: Reviews the history of the United States Army uniform, using sketches, still photographs, and live action to depict the American soldier's uniform from the Revolutionary era to the present day.
Borrow from Army. *Cleared for tv.*

History of the United States Navy
see
The naval wars with France and Tripoli
Navy decline, the new Navy, and the war with Spain, 1865-1898
War of Independence, 1775-1783
World wide naval operations in peace and war, 1815-1860

History of the U. S. Navy Hydrographic Office (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Academy Pictures.
16 min., sd., color, 16 mm.
Order no. FN 8300.
Summary: Explains the contributions made by the Hydrographic Office of the Navy and to the U. S. and foreign merchant marines, and describes some of its more important activities and accomplishments from 1830 to the present time.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

History of the U. S. Navy Supply Corps (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Academy Productions.
14 min., sd., color, 16 mm.
Order no. FN 8135.
Summary: Traces the activities and contributions of the U. S. Navy Supply Corps from 1795 to the present time.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

History of the U. S. Navy: The Civil War, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.

19 min., sd., color, 16 mm.

Order no. FN 6943-e.

Summary: Traces the most significant events of the opening years of the Civil War, 1861–62, after comparing the resources of both sides, and explains the basic naval strategy. Major events portrayed include the Monitor-Merrimack combat, the tightening blockade, the Battle of New Orleans, and joint Army-Navy operations on the coast and in inland waters.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

History of the U. S. Navy: The Civil War, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.

20 min., sd., color, 16 mm.

Order no. FN 6943-f.

Summary: Traces the significant naval events of the Civil War from the end of 1862 to the close of the war.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hit the beach (*Motion picture*) U. S. Dept. of the Army, 1950.

18 min., sd., b&w, 16 mm.

Order no. MF 31-7727.

Summary: Film record of operation MIKI, the joint Army-Navy rehearsal maneuvers in October 1949 on the Island of Oahu in Hawaii.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hobbing a helical gear: Two cuts, nondifferential method (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 5)

Order no. OE 235.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: How to set up the change gears; adjust the swivel head to cut on the helix angle; set up the machine for the rough cut; and re-align hob and gear teeth.

Buy from NF.

Hobbing a helical gear, two cuts; nondifferential method (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

51 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 5)

Order no. OE 235–fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Hobbing a spur gear. Part 1: Setting up the change gears (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 1)

Order no. OE 231.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: Selection of the hob; how to select change-gear combinations for speed, feed, and index; identify the correct gears; mount the change gears; adjust for backlash; and how the change-gear trains are interrelated.

Buy from NF.

Hobbing a spur gear. Part 1: Setting up the change gears (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

48 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 1)

Order no. OE 231–fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Hobbing a spur gear. Part 2: Setting up and hobbing the work (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

24 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 2)

Order no. OE 232.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: How to select and mount the hob; set the swivel head angle; choose and mount the fixture; load the gear blanks; set up for depth of trail cut; and adjust for full depth of cut.

Buy from NF.

Hobbing a spur gear. Part 2: Setting up and hobbing the work (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

49 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 2)

Order no. OE 232–fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Hobbing a square tooth spline shaft (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 3)

Order no. OE 233.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: How to change hob arbors; centralize the hob with the centering gage; mount the center-type fixture and the top adjustable center; use a driving dog in mounting the spline shaft blank; set up for the trial cut; and take full depth of cut.

Buy from NF.

Hobbing a square tooth spline shaft (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

45 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 3)

Order no. OE 233–fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Hobbing a worm gear: Infeed method (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 4)

Order no OE 234.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: Angle at which to set the swivel head; how to calculate and adjust the height of the hob arber; engage horizontal feed; centralize the hob; and cut to a center distance.

Buy from NF.

Hobbing a worm gear: Infeed method (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

35 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 4)

Order no. OE 234–fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Hog cholera [and] African swine fever: A comparison (*Motion picture*) U. S. Dept. of Agriculture, 1957.

23 min., sd., color, 16 mm.

Summary: Shows the autopsy of several swine affected with hog cholera and some of the characteristic lesions and pathologic changes of the organs and tissues associated with hog cholera. Compares similarities and differences in the pathology of hog cholera and of African swine fever, often called wart-hog disease. Primarily for veterinarians and veterinary students

Rent from DA film libraries.

Hog cholera eradication (*Filmstrip*) U. S. Dept. of Agriculture, 1962.
39 fr., color, 35 mm.
Order no. C-94
Summary: Discusses various subjects related to hog cholera eradication, explaining how the disease spreads; discusses vaccines and vaccination and explains the principles of an eradication program.

Buy from Photo Lab.

Hog houses and equipment (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
30 fr., b&w, 35 mm.
Order no. 53
With lecture notes.
Summary: Illustrations of A-type and box-type houses, loading chutes, feeders, dipping vat, waterer, concrete wallow, and other equipment.
Buy from PhotoLab.

Holloman: Frontier of the future (*Motion picture*) U. S. Dept. of the Air Force, 1957.
30 min., sd., color, 16 mm.
Order no. SFP 396.
Summary: Depicts the Air Force advancement in missile technology at Hollowman Air Development Center, and explains how the center deals with research and development of missiles and upper air explorations.

Borrow from AF. ***Buy from*** NF. ***Cleared for tv.***

The hollow coin (*Motion picture*) U. S. Dept. of the Army, 1960.
15 min., sd., b&w, 16 mm.
Order no. MF 30-9259.
Summary: Factual report of an actual case of espionage against the United States. Documents the capture and trial of Colonel Rudolf I. Abel, professional Soviet spy, and points out that industrial and technical workers were the prime targets for Abel's information. Outlines the objectives of the Department of Defense security program, underscoring the responsibility of the individual worker to maintain security.

Borrow from Army. ***Buy from*** NF.

Home buying (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 11)
Summary: Presents the story of a typical American couple of Columbus, Ohio, in the search for a place to live, and their ability to buy a home through the American credit system and installment buying. Prepared for overseas use.
Buy from NF. ***Cleared for tv. Prior authorization required.***

Home demonstration membership studies (*Filmstrip*) U. S. Dept. of Agriculture, 1959.
22 double fr., color, 35 mm.
Order no. C-72.
Summary: Discusses the characteristics of home demonstration club members, including their economic and educational levels, their interests, family problems, and needs.
Buy from PhotoLab.

Home-grown food; production, preservation (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
64 fr., b&w, 35 mm.
Order no. 663.
With lecture notes.
Summary: Explains how farm and urban families have increased food production and preservation.
Buy from PhotoLab.

Home grown plants for transplanting (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
37 fr., b&w, 35 mm.
Order no. 656.
With lecture notes.
Summary: Shows how to grow plants in the home for setting out in the garden.
Buy from PhotoLab.

The home nursing story series
see
Danger! Handle with care
Image in the mirror
Milford, U.S.A.
One minute past three
Passport to tomorrow
Prairie schooner, space age model
The road back
Target: babies and children
Water
The wonderful world of food

Home on the range (*Motion picture*) U. S. Dept. of Agriculture, 1946.
9 min., sd., b&w, 16 mm.
Revision of the film of the same title released in 1942 through U. S. Office of War Information.
Summary: Portrays the western range country, ranch life, and the grazing of cattle.
Rent from DA Film Libraries. ***Buy from*** NF.

Homecoming airlift (*Motion picture*) U. S. Dept. of the Air Force, 1953.
10 min., sd., b&w, 16 mm.
Order no. SFP 307.
Summary: Describes the repatriation of the first groups of American prisoners of war and their return home from Korea to Japan to Travis Air Force Base in California.
Borrow from AF. ***Cleared for tv.***

Homemaking in colonial days (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
64 fr., b&w, 35 mm.
Order no. 555.
With lecture notes.
Summary: Shows early American home interiors, furniture, and utensils; and in contrast, modern home conveniences.
Buy from PhotoLab.

Homogeneous reactor experiment 2 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

19 min., sd., color, 16 mm.
Summary: Surveys the components, facilities, and operations of an aqueous homogeneous, forced-circulation, experimental power reactor operating with a dilute solution of uranyl sulfate in heavy water as fuel, and with a heavy-water reflector.

Borrow from AEC. ***Buy from*** Byron. ***Cleared for tv.***

Honest John (*Motion picture*) U. S. Dept. of the Army, 1960.
4 min., sd., color, 16 mm.
Order no. MF 45-9614.
Summary: Describes the features, capability, and test firing of the Honest John rocket—a free flight rocket designed for close support forward operations and as a field artillery weapon. Depicts phases in the test firing, including the assembly of rocket, the towing and placement of the rocket on a self-propelled launcher, the actual firing, and the rocket in flight.
Borrow from Army. ***Cleared for tv.***

Hookworm disease and hookworm infection (*Filmstrip*) U. S. Public Health Service, 1948.
77 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5-073.
Summary: Gives a general explanation of the history, diagnosis, treatment, and prevention of hookworm disease.

Borrow from PHS. ***Buy from*** NF.

733-201 O - 64 - 12

Hoover Dam (*Motion picture*) U. S. Dept. of State, 1949. Made by Simmel-Meservey. Released for educational use in the United States through U. S. Office of Education, 1950.
33 min., sd., b&w, 16 mm.
Summary: Reviews the building of Hoover Dam and explains its values in furnishing irrigation water and electric power to the people in the southwestern United States. Prepared for overseas use.
Buy from NF.

Horizons of syphilis (*Filmstrip*) U. S. Public Health Service, 1949.
30 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5-086.
Summary: Explains through drawings and statistical charts the most common ways in which syphilis, if untreated, affects man.
Borrow from PHS.

Horse sense (*Motion picture*) U. S. Dept. of Agriculture, 1953.
23 min., sd., color, 16 mm.
Summary: How to mount, ride, and care for a horse. Prepared for the training of new U. S. Forest Service employees.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Horseshoeing (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
19 min., sd., b&w, 16 mm. (Farm work series. Livestock, no. 2)
Order no. OE 458.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to handle a horse during shoeing; prepare the feet; select, fit, and nail on shoes; take off shoes; and tighten old shoes on a horse.
Buy from NF.

Horseshoeing (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
41 fr., b&w, 35 mm. (Farm work series. Livestock, no. 2)
Order no. OE 458-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

La hortaliza en casa (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of Better eating.
Summary: Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.
Buy from NF. *Cleared for tv.*

Hortas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.
7 min., sd., color, 16 mm.
Portuguese version of Better eating.
Summary: Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.
Buy from NF. *Cleared for tv.*

Hospital afloat (*Motion picture*) U. S. Dept. of the Navy, 1952.
12 min., sd., b&w, 16 mm.
Order no. MN 7371.
Summary: Documentary film record of a marine who is wounded in action in Korea. Shows treatment on the battlefield, an operation aboard a Navy hospital ship, and the recovery of the wounded man.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hospital food service personnel training. Part 1: Introduction (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through the U. S. Office of Education.
16 min., sd., b&w, 16 mm.
Order no. TF 8-1841.
Revision of the 1951 film with same title (order no. TF 8-1575)
Summary: Shows the departments, equipment, menu planning, and food preparation procedures typical of hospital food service.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hospital food service personnel training. Part 2: The individual (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
13 min., sd., b&w, 16 mm.
Order no. TF 8-1576.
Summary: Ways to prevent communicable diseases associated with improper food handling; health, cleanliness, personal appearance, and sanitary work habits.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hospital food service personnel training. Part 3: Equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
12 min., sd., b&w, 16 mm.
Order no. TF 8-1577.
Summary: How to clean kitchen equipment; loosen, dissolve, and emulsify dirt; rinse and dry equipment; and prevent food poisoning.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hospital food service personnel training. Part 4: Serving food (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., color, 16 mm.
Order no. TF 8-1578.
Summary: Emphasizes principles of good food preparation and service in hospitals—proper temperature, correct quantity, selection of food to meet patient's requirements, and courteous attention by food service personnel.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The hospital of tomorrow (*Filmstrip*) U. S. Public Health Service, 1948.
53 fr., b&w, 35 mmm.
Order no. 5-100.
With script and 13 2 x 2 in. slides.
Summary: Explains the need for more and better hospitals in the United States and the provisions of the Hospital survey and construction act of 1946.
Borrow from PHS.

Hospital sanitation (*Motion picture*) U. S. Dept. of the Army, 1951.
14 min., sd., b&w, 16 mm.
Order no. TF 8-1708.
Summary: Describes ways and means to keep wards germ-free, and indicates precautions to take in cleaning contaminated bedding in an isolated ward.
Borrow from Army.

The hospital ward team (*Motion picture*) U. S. Dept. of the Army, 1955.
23 min., sd., b&w, 16 mm.
Order no. TF 8-1944.
Summary: Explains the contributions of the hospital ward team, consisting of the doctor, professional nurse, medical technician, clinical technician, and ward corpsman; and defines the responsibilities of each member of the team, with emphasis on the role of the medical technician. For medical and allied groups.
Borrow from Army. *Buy from* NF.

Hospital zone: Men at work (*Filmstrip*) U. S. Veterans Administration, 1948.

75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.

Summary: Explains the physical medicine and rehabilitation programs in the Veterans Administration Hospital at Dallas, Texas.

Borrow from VA.

A house, a wife, and a singing bird (*Motion picture*) U. S. Information Agency, 1957. Released for public educational use in the United States through U. S. Office of Education.

30 min., sd., color, 16 mm.

Summary: Based on an old Javanese saying that a man's happiness depends upon his having "a horse, a knife, a house, a wife and a singing bird," the film tells the story of a young Indonesian who through hard work succeeds in establishing himself in his society, and in contributing his share to the welfare and development of his country. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

The house in the middle (*Motion picture*) U. S. Federal Civil Defense Administration, 1953. Made by McGeary-Smith Laboratories.

6 min., sd., b&w, 16 mm.

Summary: Shows that in a fire test of the Atomic Energy Commission one out of three small houses (the house in the middle) withstood the fire effects of an atomic explosion because it was free of litter and trash, made of good materials, and properly painted.

Borrow from OCDM. *Buy from* DA. *Cleared for tv.*

Housing in Chile (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

18 min., sd., b&w, 16 mm.

Summary: Shows steps being taken in Chile to alleviate the housing problem, and particularly a family in Santiago being moved from the slums to a new housing project.

Buy from NF.

Hovering flight tests of a four-engine-transport vertical take-off airplane with a large flap and auxiliary vanes for redirecting the propeller slipstream (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

10 min., si., color, 16 mm.

Summary: A record of the results of preliminary tests conducted outdoors and in a free-flight tunnel of the stability and flight characteristics in take-offs, landings, and hovering flight of a remotely controlled free-flight model of a concept of a four-engine-transport vertically rising airplane. For technical personnel, to be used with NACA Technical note 3440: Hovering flight tests of a four-engine-transport vertical take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream.

Borrow from NASA.

Hovering-flight tests of a model of a transport vertical-take-off airplane with tilting wing and propellers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

6 min., si., b&w, 16 mm.

Summary: A record of the results of an investigation of the take-off, landing, and hovering flight characteristics of a remote-controlled free-flight model of a four-engine vertically-rising transport. Shows how, in order to produce direct lift for hovering flight with the fuselage horizontal, the wings and propellers were rotated 90° relative to the fuselage. For technical personnel, to be used with NACA Technical note 3930: Hovering-flight tests of a model of a transport vertical-take-off airplane with tilting wing and propellers.

Borrow from NASA.

How America shops (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 5)

Summary: Describes shopping in the United States, showing actual scenes of discount houses, supermarkets, department stores, and the large suburban shopping centers. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

How an airplane flies, parts 1 and 2 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

26 min., sd., b&w, 16 mm.

Order no. TF 1-4804.

Summary: Discusses the principle of the Venturi tube as it applies to the lift. Demonstrates the types of drag and the methods of overcoming them.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

How an airplane flies, parts 3, 4, 5, and 6 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

34 min., sd., b&w, 16 mm.

Order no. TF 1-4805.

Summary: Discusses the principles of thrust, forces in balance, stability, and the use of controls.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

How animal life begins (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

9 min., sd., b&w, 16 mm.

Short version, prepared for school use, of the film released in 1937 under title In the beginning, which was a revision of the 1935 silent film released under title Ovulation, fertilization, and early development of the mammalian egg.

Summary: Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.

Rent from DA Film Libraries. *Buy from* NF.

How disease travels (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Health for the Americas series)

Summary: Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

How disease travels
see also
La enfermedad se propaga
Transmissão das doenças

How free am I? (*Motion picture*) U. S. Dept. of the Army, 1957.

8 min., sd., b&w, 16 mm.

Order no. TF 16-2512.

Summary: Examines the subject of freedom through a dramatization of a soldier insisting upon playing his radio in a barracks when other soldiers are trying to sleep.

Borrow from Army.

How magnets produce electricity (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

4 min., sd., b&w, 16 mm. (Basic electricity series)

Order no. MN 8016-b.

Summary: Shows the use of a magnet field as it affects a single atom, a group of atoms as in a wire, and a wire in a closed circuit with a meter.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

How the patient may affect the attendant
see Your job and the psychiatric patient. Part 2: How the patient may affect the attendant

How to check and surface foundations (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 1)
Order no. OE 25.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check the location of machinery foundations to blueprint specifications; align and level foundations; and surface or smooth foundations.

Buy from NF.

How to check and surface foundations (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

35 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 1)
Order no. OE 25-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

How to conduct a meeting (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.
Summary: Shows the proper procedures of parliamentary law to be followed in conducting a meeting so that the decisions will be representative of the majority. Prepared for use in occupied areas.

Buy from NF.

How to form aluminum series
see
Blanking and piercing
Drawing, stretching, and stamping
Spinning
Tube and shape bending

How to get along in a foreign country (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

16 min., sd., b&w, 16 mm.
Order no. AFIF 46.
Summary: Stresses the importance of the behavior of U. S. military personnel stationed in foreign countries.
Borrow from Army. *Cleared for tv.*

How to get along in France (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

30 min., sd., b&w, 16 mm.
Order no. AFIF 40.
Summary: Explains the antagonistic reactions of the French to American soldiers as being staged by the Communist Party; portrays details of French family life, customs, government, and politics; and emphasizes that American servicemen must learn and adapt themselves to the French ways of living. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

How to live with an Air Force contract (*Motion picture*) U. S. Dept. of the Air Force, 1957.

19 min., sd., color, 16 mm.
Order no. SFP 404.
Summary: Explains the AMC field procurement and production mission as a small manufacturing concern is awarded its first Air Force contract, and shows how specialists in the field of production visit the company to assist in solving problems and completing the contract.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

How to machine aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

32 min., sd., b&w, 16 mm.
Order no. 194.
Summary: Discusses different alloys of cast and wrought aluminum; the use of hand tools and the metals best suited for such tools; cutting compounds; the importance to the top, back, and side rake; clearance and cutting angles of machine tools; and the different uses of various machine tools.
Borrow from BM. *Cleared for tv.*

How to measure daylight obstruction (*Filmstrip*) U. S. Public Health Service, 1957.

68 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. F 275.
Summary: Outlines the basic steps and procedures for measuring daylight obstruction in housing-quality surveys and sets forth five aspects: window size and length, height of reported structure, height of adjacent structures, distance of adjacent structures, and the horizontal obstruction factor. Designed primarily for housing consultants.
Borrow from PHS.

How to measure deterioration in dwellings (*Filmstrip*) U. S. Public Health Service, 1949.

92 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5-131.
Summary: Explains various types of deterioration found in dwellings and methods of judging and measuring such deterioration accurately, objectively, and uniformly.

Borrow from PHS. *Buy from* NF.

How to observe nursing activities, part 1 (*Motion picture*) U. S. Public Health Service, 1960.

14 min., sd., b&w, 16 mm.
Order no. FG 315.
With manual.
Summary: A filmograph. A two-part film to be used as an aid in planning nursing activity observation. Shows activities which are routine and easily identified.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

How to observe nursing activities, part 2 (*Motion picture*) U. S. Public Health Service, 1960.

10 min., sd., b&w, 16 mm.
Order no. FG 315.
With manual.
Summary: A filmograph. A two-part film to be used as an aid in planning nursing activity observation. Depicts situations involving activities which are complicated or difficult to code.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

How to operate the Army 16mm sound projector set (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

31 min., sd., b&w, 16 mm.
Order no. TF 11-1752.
Summary: Demonstrates and explains the operation of a 16 mm. motion picture projector.

Borrow from Army. *Buy from* NF.

How to prevent private vehicle accidents (*Motion picture*) U. S. Dept. of the Army, 1963.

25 min., sd., b&w, 16 mm.
Order no. TF 20-3317
Summary: Explains what has been done and can be done to prevent traffic accidents involving military personnel driving privately-owned vehicles off post. Shows how key military personnel and local civic groups implement three major elements of a safety program through driver education, engineering methods, and effective law enforcement measures.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

How to remove and reinstall radio equipment (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1951.
46 fr., b&w, 35 mm.
Order no. SN 656.
Summary: Demonstrates removal and installation of the LM-RU-CW-DU radio equipment.
Borrow from Navy. *Buy from* NF.

How to rivet aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.
27 min., sd., b&w, 16 mm.
Order no. 195.
Summary: Shows different types of rivets; riveting by hand, pneumatic hammers, and squeeze riveters; use of the buck-up set or dolly; blind riveting; and the removal of defective rivets.
Borrow from BM. *Cleared for tv.*

How to take an audiometer test (*Motion picture*) U. S. Dept. of the Air Force, 1957.
7 min., sd., b&w, 16 mm.
Order no. FTA 261.
Summary: Illustrates in detail the operation of the ARJ-3 automatic audiometer and the proper method of taking an audiometer test.
Borrow from AF.

How to use cold weather clothing (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
14 min., sd., color, 16 mm.
Order no. FG 10-21.
Summary: Explains briefly the physiological aspects of body heat, and describes in detail the types of clothing to be used by soldiers in avoiding injuries due to cold under various climatic conditions.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

How to use navigational aids (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., color, 16 mm. (Aids to navigation series)
Order no. MN 202-ac.
Summary: Explains how to use navigational aids and interpret the symbols on nautical charts.
Borrow from Navy. *Buy from* NF.

How to use your eyes at night (*Motion picture*) U. S. Dept. of the Air Force, 1962.
30 min., sd., color, 16 mm.
Order no. TF1-5386
Summary: Explains the anatomy of the eye and shows how the eye functions during daylight and darkness. Discusses the following conditions affecting night vision: hypoxia resulting from altitude and oxygen causes; "G" forces; stare vision; and indirect factors such as vitamin A deficiency, exposure to bright sunlight, and excessive reading. Explains the period of dark adaptation and stresses the importance of preflight planning and complete familiarity with the instrument panel.
Borrow from AF. *Cleared for tv.*

How to weld aluminum series
see
Resistance welding
Torch welding

The human body (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
Summary: Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

The human body
see also
O corpo humano
El cuerpo humano

Human radioactivity measurements (*Motion picture*) U. S. Atomic Energy Commission, 1958.
9 min., sd., color, 16 mm.
Summary: Shows a method developed at Los Alamos Scientific Laboratory to monitor personnel exposed to the possible intake of gamma-emitting materials and to study the retention and excretion of radioactive isotopes by the body. Points out that the liquid scintillation counter is large enough to contain a man and sensitive enough to detect even the minute amounts of his natural gamma radioactivity.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Hungarian fight for freedom (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.
11 min., sd., b&w, 16 mm.
Summary: Scenes of the 1956 revolt of the Hungarian people in Budapest, its suppression by the Soviet Army, and demonstrations of sympathy in various cities throughout the world. Prepared for overseas use.
Buy from NF.

Hunting the puma (*Motion picture*) U. S. Fish and Wildlife Service, 1950.
15 min., sd., color, 16 mm.
Summary: An account of a mountain lion hunt showing the capture of a young lion and the treeing and shooting of a large stock-killing lion. Explains the need for controlling the number of predatory pumas.
Borrow from FWS. *Cleared for tv.*

Hurricane circuit (*Motion picture*) U. S. Dept. of State, 1949. Made by Knickerbocker Productions. Released for educational use in the United States through U. S. Office of Education, 1950.
23 min., sd., b&w, 16 mm.
Summary: Traces the path of a hurricane through the Caribbean and the Gulf of Mexico, and explains the work of the U. S. Weather Bureau in predicting the course of the hurricane and issuing precautionary and emergency storm warnings. Shows in animation the nature of hurricanes. Prepared for overseas use.
Buy from NF.

Hurricane hunters (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 277.
Summary: Shows weathermen flying into the center of a hurricane to measure its force and plot its direction, and explains how such information is used by weather forecasters in issuing hurricane warnings.
Borrow from AF. *Cleared for tv.*

Hurricane hunters (*Motion picture*) U. S. Dept. of the Navy, 1956.
14 min., sd., b&w, 16 mm.
Order no. MN 8339.
Summary: Describes the hurricane hunting activities of Airborne Early Warning Squadron Four.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hurricane Hunters (*Motion picture*) U. S. Dept. of the Navy, 1961.
21 min., sd., b&w, 16 mm.
Order no. MN 9422.
Summary: Provides information both to the general public and to naval and military personnel on the mission and operating technique of the Hurricane Hunters, Airborne Early Warning Squadron FOUR. Describes the services that they provide and the benefits derived from their effort.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hurricane watch (*Motion picture*) U. S. Weather Bureau, 1956. Made by U. S. Dept. of Agriculture.

15 min., sd., b&w, 16 mm.

Summary: Describes methods used in locating and tracking hurricanes; explains the meanings of "hurricane watch" and "hurricane warning"; tells how hurricane information is disseminated; and shows safety precautions for individuals to minimize loss of life and property during a hurricane. Includes scenes of past hurricanes and the resulting damage from high winds and water.

Borrow from WB. *Buy from* NF. *Cleared for tv.*

Hybrid onions (*Motion picture*) U. S. Dept. of Agriculture, 1955.

4 min., sd., b&w, 16 mm.

Summary: Presents an interview with Dr. Henry A. Jones of the Agricultural Research Center, on the techniques used in developing new hybrid onions. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Hydramatic transmission series
see
The fluid coupling, principles of operation
Hydraulic controls in the hydramatic transmission

The hydraulic brake system (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 7)

Order no. OE 483.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to check brake pedal travel; examine the brake lining; adjust the brake shoes; and inspect and adjust the hydraulic brake fluid system.

Buy from NF.

The hydraulic brake system (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

35 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 7)

Order no. OE 483–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Hydraulic brakes: Principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

24 min., sd., b&w, 16 mm.

Order no. TF 9–2065.

Summary: Explains the principles and operation of hydraulic brakes and the advantages of liquid linkage.

Borrow from Army. *Buy from* NF.

Hydraulic controls in the hydramatic transmission (*Motion picture*) U. S. Dept. of the Army, 1955.

26 min., sd., b&w, 16 mm. (Hydraulic transmission series)

Order no. TF 9–1992.

Revision of the 1943 film with the title Theory and principles of operation, automatic shifting unit.

Summary: Explains and demonstrates the basic shifting patterns in hydramatic transmission. Using animated sequences, demonstration models, and live action, shows how hydraulic controls are applied in each phase of up-shifting and down-shifting.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hydraulic dredging (*Motion picture*) U. S. Public Health Service, 1947.

5 min., sd., color, 16 mm.

Order no. 4–044.

Summary: Contrasts clear lakes with those choked with vegetation or mud, in the same Florida locality; shows how to convert marshes into clear lakes with the use of hydraulic dredge. Consists of still pictures and drawings.

Borrow from PHS. *Buy from* Byron

Hydraulic mechanisms (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.

50 fr., b&w, 35 mm.

Order no. SN 111.

Summary: Explains the principles of a hydraulic system; shows the three types of pumps and the pressure control type of relief valve which are used in hydraulic systems, and explains their operation.

Borrow from Navy.

Hydraulic steering, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1956.

14 min., sd., b&w, 16 mm.

Order no. TF 9–2254.

Summary: Explains the operating principles of the hydraulic steering assist mechanism by illustrating the functions of its major components: reservoir, pump, relief valve, control valve, and power cylinder; and shows how these components, acting on the principle of pressure differential, deliver the steering assist.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Hydraulic struts (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

37 fr., b&w, 35 mm.

Order no. SN 2792.

Summary: Explains the principles of operation of hydraulic struts and indicates briefly their uses and importance.

Borrow from Navy.

Hydraulic valves series
see
Directional valves
Introduction to valves
Methods of operating valves
Simple valves

Hydrofoil craft: Principles and representative experimental craft (*Motion picture*) U. S. Dept. of the Navy, 1956.

9 min., sd., color, 16 mm.

Order no. MN 8391.

Summary: Shows the principles of hydrofoil and describes the Navy's research and development program.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hydrographic surveying operations of the Navy series
see
Establishing primary survey control points
Secondary survey, control points, and hydrographic developments

Hydrography for charting: Position fixing (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

12 min., sd., color, 16 mm.

Order no. MN 7337–a.

Summary: Describes the theory and practice of determining a vessel's position by three methods of hydrographic surveying—three point fix, radar ranging, and hyperbolic radio interference grids.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hydrography for charting: Sounding and dragging (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

12 min., sd., color, 16 mm.

Order no. MN 7337–b.

Summary: Describes methods of determining the depth of water and the instrumentation required. Also explains the equipment and techniques employed in wire dragging to guarantee obstruction-free depth of water.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Hydrotherapy (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

22 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 410.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to administer sedative baths, wet-sheet packs, tonic showers, douches, and sprays; special types of therapeutic baths; rehabilitation hydrotherapy in the Hubbard bath and rehabilitation pool; and physiological effects of hydrotherapy upon the body.

Buy from NF.

Hydrotherapy (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

55 fr., b&w, 35 mm. (Nursing series)

Order no. OE 410–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Hydrotherapy procedures for the neuropsychiatric patient (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.

22 min., sd., b&w, 16 mm.

Summary: Demonstrates hydrotherapy procedures (including tubs, packs, and showers) for desired results of sedation and stimulation. Emphasizes the importance of care in the handling of a patient with mental illness, and the importance of good relationships between the patient and the physical therapist.

Borrow from VA. *Buy from* NF.

[**Hymn of the nations**] (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

28 min., sd., b&w, 16 mm.

Summary: Arturo Toscanini conducts the NBC Symphony Orchestra in a radio broadcast of Verdi's overture to "Forza del Destino"; the narrator recounts the contributions of Toscanini and other great Italians to democracy; and Toscanini conducts the NBC Symphony, the Westminster Choir, and Jan Peerce in a radio broadcast of Verdi's "Hymn of the Nations."

Buy from NF.

The hypodermic syringe (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.

95 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Infectious hazards of bacteriological techniques, no. 2)

Order no. F 57–c.

Summary: Shows and explains ways of avoiding hypodermic syringe techniques which may liberate dangerous aerosols from cultures of infectious organisms.

Borrow from PHS. *Buy from* NF.

I

I & E screen magazine, no. 552 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

13 min., sd., b&w, 16 mm.

Order no. AFSM 552.

Summary: Depicts the work of Mathew Brady, the country's first combat photographer and pioneer in the art of photography. Presents his pictorial record of the life and training of the soldier and the tactics, communications, equipment, and weapons employed during the Civil War.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 553 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFSM 553.

Contents: What's new in the service, the helmet radio and flood control.—The code posters.—The most famous picture.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 554 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

15 min., sd., b&w, 16 mm.

New edition deleting sequence, Atomic radiation preserves food.

Order no. AFSM 554.

Contents: What's new in the service, Army flag.—Sea legs for sub sailors.—Vanguard.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 556 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

18 min., sd., b&w, 16 mm.

Order no. AFSM 556.

Contents: Operation farside.—The boys from planet Φ.—New undersea escape method.—A report to the Armed Forces.—Payraise bill opens new horizon.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 558 (*Motion picture*) U. S. Dept. of Defense, 1958.

12 min., sd., b&w, 16 mm.

New edition deleting sequence, Food atomic style.

Order no. AFSM 558.

Contents.—Freedom foundation awards.—Tree snow test.—Navy's rat.—Have ball will orbit.—The boys from planet Φ.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 560 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFSM 560.

Contents: South Pole party sees light.—Bob and Jane wow airmen.—Brussels Fair.—These honored dead.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 561 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFSM 561.

Contents: Last of the battleships.—The boys from planet Φ.—Explorer.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 562 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFSM 562.

Contents: New Army rifle.—"Sea Legs."—Inflatoplane.—IGY.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 563 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFSM 563.

Contents: Under the top of the world.—Tale of a horse.—A look at your exchange.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 564 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFSM 564.

Contents: Going up.—U. S. Army Engineers.—Inverterplane.—It pays to stay in.—A pictorial history of the U. S. Cavalry.

Borrow from Army. *Cleared for tv.*

I & E screen magazine, no. 565 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 565.
Contents: A salute to Civil Service.—Suited for space.—Regulus in action.—In and out of orbit.—Army crafts.—Hong Kong.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 566 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 566.
Contents: Mitchell College.—Missile recovery.—A date with liberty.—Submarine.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 570 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFSM 570.
Contents: What's new in the service.—A date with liberty.—The last place on earth.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 571 (*Motion picture*) U. S. Dept. of Defense, 1959.
20 min., sd., b&w, 16 mm.
Order no. AFSM 571.
Contents: What's new in the service.—A date with liberty.—North of 53.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 572 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 572.
Contents: The pentadome.—Frogmen.—Air Force items.—A date with liberty.—Sylvanus Thayer.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 573 (*Motion picture*) U. S. Dept. of Defense, 1959.
17 min., sd., b&w, 16 mm.
Order no. AFSM 573.
Contents: Quartermaster air drop.—Thor missile.—Remote control 'copter.—U. S. Air Forces in Spain.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 574 (*Motion picture*) U. S. Dept. of Defense, 1959.
18 min., sd., b&w, 16 mm.
Order no. AFSM 574.
Contents: Operation Fishook.—Mobile ditch digger.—World Congress of Flight.—Russian-American track meet.
Borrow from Army.

I & E screen magazine, no. 575 (*Motion picture*) U. S. Dept. of Defense, 1959.
21 min., sd., b&w, 16 mm.
Order no. AFSM 575.
Contents: Third Pan-American Games, 1959.—Veterans Day.
Borrow from Army. Cleared for tv.

I & E screen magazine, no. 576 (*Motion picture*) U. S. Dept. of Defense, 1959.
21 min., sd., b&w, 16 mm.
Order no. AFSM 576.
Contents: 1959 World Series.—Shakedown.
Borrow from Army.

I & E screen magazine, no. 577 (*Motion picture*) U. S. Dept. of Defense, 1960.
19 min., sd., b&w, 16 mm.
Order no. AFSM 577.
Contents: Pararescue team competition.—Arctic snow camp.—One-man guided missile.—Thor nose cone test.—Narrow-gauge landing aid.—Istanbul air show.—Army vs. Air Force, 1959.
Borrow from Army.

I & E screen magazine, no. 578 (*Motion picture*) U. S. Dept. of Defense, 1960.
21 min., sd., b&w, 16 mm.
Order no. AFSM 578.
Contents: Navy Skimmer.—Robot target.—Space suit "Heatniks."—Missile-mail.—Whirly birds with big muscles.—Army-Navy football game, 1959.
Borrow from Army. Cleared for tv.

I & E sportsreel, no. 200 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
34 min., sd., b&w, 16 mm.
Order no. AFIF 200.
Summary: Highlights of major sports events of 1955.
Borrow from Army.

I & E sportsreel, no. 201 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
35 min., sd., b&w, 16 mm.
Order no. AFIF 201.
Summary: Scenes of various sports events of 1955.
Borrow from Army.

I & E sportsreel, no. 202 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
33 min., sd., b&w, 16 mm.
Order no. AFIF 202.
Summary: Scenes of various sports events of 1955-56.
Borrow from Army.

I & E sportsreel, no. 203 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
30 min., sd., b&w, 16 mm.
Order no. AFIF 203.
Summary: Scenes of various sports events of 1956.
Borrow from Army.

I & E sportsreel, no. 204 (*Motion picture*) *U. S. Dept. of* Defense, 1956. Made by U. S. Dept. of the Army.
31 min., sd., b&w, 16 mm.
Order no. AFIF 204.
Summary: Scenes of various sports events of 1956.
Borrow from Army.

I & E sportsreel, no. 205 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFIF 205.
Summary: Scenes of 1956 sports events.
Borrow from Army.

I & E sportsreel, no. 206 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFIF 206.
Summary: Scenes of various sports events, including a Berlin track meet, speedboat championships on Lake Quinsigamond, model plane competitions, old-timer cars in a 1-mile race at Wilkes-Barre, Pa., national AAU swimming and high diving championships, and harness racing at Goshen, N. Y.
Borrow from Army.

I & E sportsreel, no. 207 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFIF 207.
Summary: Scenes of various sports events, including the tennis championship matches at Forest Hills; women Olympic stars competing in hurdles, broad jump, sprints, javelin, and shot put events; interviews with the Army, Navy, and Air Force football coaches; and speedboat races on the Detroit River.
Borrow from Army.

I & E sportsreel, no. 208 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army
20 min., sd., b&w, 16 mm.
Order no. AFIF 208.
Summary: Scenes of a football game between the Air Force Academy and the University of San Diego; featherweight and light middleweight championship bouts held at Camp Lejeune, N. C.; and the 1956 World Series between the N. Y. Yankees and the Brooklyn Dodgers.
Borrow from Army.

I & E sportsreel, no. 211 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 211.

Summary: Scenes of sports events, including the training of racing dogs, ice skating barrel jump, European handball, a rodeo in Texas, and lady wrestlers from France and Canada.

Borrow from Army.

I & E sportsreel, no. 212 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 212.

Summary: Scenes of various sports events, including North Carolina-Duke University basketball game; stock car race at Daytona Beach, Florida; hockey match; New York Daily News Golden Gloves boxing bouts; French and German teams playing handball European style; and winter carnival events in Minnesota and the European Alps.

Borrow from Army.

I & E sportsreel, no. 213 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 213.

Summary: Scenes of various sports events, including an international ski meet in Vermont, women's world figure skating in Colorado, Air Force boxing bouts, highlights of the International Military Ski Patrol meet at Andermatt in the Swiss Alps, and basketball trick shots as played by the Arthur Murray girls team.

Borrow from Army.

I & E sportsreel, no. 215 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.
Order no. AFIF 215.

Summary: Scenes of various sports events, including North Carolina and Kansas competing for the NCAA basketball championship; Boston playing St. Louis for the professional basketball championship; the Masters' Golf Tournament at Augusta, Ga.; 6-day bicycle races in Chicago; NCAA gymnastic championships in such events as rope climbing, tumbling, flying ring, and parallel bars; and a hockey match between the Montreal Canadiens and the Boston Bruins.

Borrow from Army.

I & E sportsreel, no. 216 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

24 min., sd., b&w, 16 mm.
Order no. AFIF 216.

Summary: Scenes of various sports events, including horsemanship, swimming, and fencing at Fort Sam Houston, Texas; the 83rd Kentucky Derby; British soccer at Wembley Stadium; and the 61st Boston marathon run.

Borrow from Army.

I & E sportsreel, no. 217 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 217.

Contents: World record pole vault.—A dog's life.—Wimbledon tennis.—Heel and toe.—U. S. open.—Pennant fever.—All-star game.

Borrow from Army.

I & E sportsreel, no. 218 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.
Order no. AFIF 218.

Summary: Scenes of various sports events, including Derek Ibbotson running the mile race in 3 minutes, 57 and 2/10ths seconds; Joe Gonzales defeating Lou Hoad in tennis; the national AAU swimming meet in Philadelphia; and a pentathlon competition in Sweden between Army teams of the U. S., Sweden, Finland, and Italy.

Borrow from Army.

I & E sportsreel, no. 219 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 219.

Contents: National tennis.—Boys' baseball.—Inter-service golf.—All Navy softball.—National shoot.—Hambletonian.—Manhattan marathon.—AAU divers.

Borrow from Army.

I & E sportsreel, no. 220 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.
Order no. AFIF 220.

Contents: Football.—Farewell to Giants.—World Series.

Borrow from Army.

I & E sportsreel, no. 221 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 221.

Contents: Campbell sets speed record.—Japan's big sport week.—Japan's world series.—Climax on the turf.—Football highlights.

Borrow from Army.

I & E sportsreel, no. 222 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

22 min., sd., b&w, 16 mm.
Order no. AFIF 222.

Summary: Depicts Army-Navy football, including pre-season training, pre-game rally activities at West Point and Annapolis, the traditional Army-Navy game played in Philadelphia in 1957 with Navy winning 14-0, and some of the earlier games of the season played by Army and Navy against other teams, showing the development of their individual styles of play.

Borrow from Army.

I & E sportsreel, no. 223 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 223.

Contents: Lions win pro title.—Mat mugs.—Tar Heels halted.—Brown KO's Lopes.—Football bowls.

Borrow from Army.

I & E sportsreel, no. 224 (*Motion picture*) U. S. Dept. of Defense, 1958.

20 min., sd., b&w, 16 mm.
Order no. AFIF 224.

Contents: Golden gloves.—All American basketeers.—Wrong way king pins.—Bad break for Campy.—Winter sports.—Pay raise bill opens new horizons.

Borrow from Army.

I & E sportsreel, no. 225 (*Motion picture*) U. S. Dept. of Defense, 1958.

20 min., sd., b&w, 16 mm.
Order no. AFIF 225.

Contents: Baseball in the air.—National League.—The boys from planet Φ.—Meet Silky Sullivan

Borrow from Army.

I & E sportsreel, no. 226 (*Motion picture*) U. S. Dept. of Defense, 1958.

21 min., sd., b&w, 16 mm.
Order no. AFIF 226.

Contents: Last ski jump.—Bowling.—Moppet maulers.—Master's golf.—The boys from planet Φ.—Indoor sports.—Baseball.

Borrow from Army.

I & E sportsreel, no. 227 (*Motion picture*) U. S. Dept. of Defense, 1958.

20 min., sd., b&w, 16 mm.
Order no. AFIF 227.

Contents: Kentucky Derby. — Service sports. — Russian strong men.—Penn relays.—Buzz bikes run wild.—Stan the man.

Borrow from Army.

I & E sportsreel, no. 228 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.
Order no. AFIF 228.

Contents: Crack up in "500"—Meeting of milers.—Heavy seas for yachts.—The boys from planet Φ.—Tim Tam beaten.—Baseball.—Bike racing.—Open golf.

Borrow from Army.

I & E sportsreel, no. 229 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 229.
Contents: All-star game.—A. A. U. track.—The boys from planet Φ.—Tennis thrills.—Racing, town and country.—Cut 'n shoot fighting man.
Borrow from Army.

I & E sportsreel, no. 230 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFIF 230.
Contents: Mile record falls again.—PGA golf.—Battling the bulls.—Old timers baseball.—Service sports.—The boys from planet Φ.—Retriever training.—Gold cup.
Borrow from Army.

I & E sportsreel, no. 231 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 231.
Contents: National tennis.—Little league.—Tale of a trotter.—Polo grounds, what a change.—Service sports.
Borrow from Army.

I & E sportsreel, no. 232 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 232.
Contents: World Series.—Tale of a horse.—Globetrotters.—Service football.
Borrow from Army.

I & E sportsreel, no. 233 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 233.
Summary: Includes scenes of the running of the International Horse Race at Laurel, Md., and of various college and professional football games played in 1958.
Borrow from Army.

I & E sportsreel, no. 234 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 234.
Contents: Service football.—In and out of orbit.—Sport spectacular.
Borrow from Army.

I & E sportsreel, no. 235 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 235.
Contents: Rose Bowl.—Sugar Bowl.—Cotton Bowl.—In and out of orbit.—Pro title play-off.—Davis cup tennis.—Grid thrills of 1958.
Borrow from Army.

I & E sportsreel, no. 236 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 236.
Contents: Winter sports.—Bowling.—In and out of orbit.—Basketball all-stars.—Indoor track.
Borrow from Army.

I & E sportsreel, no. 237 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 237.
Contents: Goodbye winter.—The boys from planet Φ.—Hello spring.
Borrow from Army.

I & E sportsreel, no. 238 (*Motion picture*) U. S. Dept. of Defense, 1959.
20 min., sd., b&w, 16 mm.
Order no. AFIF 238.
Contents: Basketball finals.—Stanley Cup hockey.—In and out of orbit.—Grand National.—Table tennis.—Boxing.
Borrow from Army.

I & E sportsreel, no. 239 (*Motion picture*) U. S. Dept. of Defense, 1959.
Order no. AFIF 239.
19 min., sd., b&w, 16 mm.
Contents: Horse racing.—Alex Olmedo.—Bike racing.—Marathon.—Track.—Killebrew.
Borrow from Army.

I & E sportsreel, no. 240 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 240.
Contents: The "500."—Surfing.—Boatnik.—The boys from planet Φ.—Pentathlon.—Horse racing.—Open golf.
Borrow from Army.

I know where I'm going (*Motion picture*) U. S. Dept. of the Army, 1961.
22 min., sd., b&w, 16 mm.
Order no. MF 45-9279.
Summary: A dramatization about two young high school graduates with different approaches to the problem of meeting their military obligation. Discusses the mission of the Reserves and illustrates the advantages of the U. S. Army Reserve six-month program.
Borrow from Army. *Buy from* NF.

ILS: Instrument landing system (*Motion picture*) U. S. Dept. of the Air Force, 1955.
17 min., sd., color, 16 mm.
Order no. TF 1-5016.
Summary: Shows various phases of the instrument landing system and emphasizes its importance in landing aircraft safely.
Borrow from AF. *Cleared for tv.*

Ice breaker (*Motion picture*) U. S. Dept. of the Navy, 1952.
14 min., sd., b&w, 16 mm.
Order no. MN 7396.
Summary: Record of the annual cruise of a Navy ice breaker from San Diego to Alaska and King Island to study ice conditions. Shows the ship in cold weather operations, life aboard ship during the cruise, and the crew's visit with natives of King Island.
Borrow from Navy. *Cleared for tv.*

Ice cap drilling (*Motion picture*) U. S. Army Engineers, 1958.
20 min., sd., color, 16 mm.
Summary: Demonstrates drilling operations and shows how ice core samples were obtained from a depth of 1,300 feet from the Greenland ice cap. Explains how these cores are examined for density, texture, stratigraphy, particulates, air-bubble pressure, and other phenomena.
Borrow from Eng. *Cleared for tv.*

Ice tunnel (*Motion picture*) U. S. Army Engineers, 1958.
20 min., sd., color, 16 mm.
Summary: Shows methods of digging an ice tunnel into the edge of the Greenland ice cap in the summer of 1957. Describes some of the purposes of constructing the tunnel.
Borrow from Eng. *Cleared for tv.*

Icecap, I (*Motion picture*) U. S. Dept. of the Army, 1953.
30 min., sd., b&w, 16 mm.
Order no. FB 55-298.
Summary: A record of a 1952 expedition of the U. S. Army Transportation Corps 800 miles across the icecap of Greenland to determine the feasibility of transporting heavy loads over such a route. Pictures the terrain encountered, motorized equipment used, and tests performed; and explains the results of the expedition.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Icecap, II (*Motion picture*) U. S. Dept. of the Army, 1954.
31 min., sd., b&w, 16 mm.
Order no. MF 55-8245.
Summary: Record of a 1953 expedition of the U. S. Army Transportation Corps across the Greenland icecap to study those characteristics of the region which may affect transportation. Shows studies being made of snow and ice formations, geological characteristics, and weather conditions; maps being prepared; and transportation equipment being tested.
Borrow from Army. *Buy from* UWF. *Cleared for tv.*

Iceland (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

23 min., sd., b&w, 16 mm.

Order no. AFIF 65.

Summary: A study of Iceland, covering its historical background; current social, economic, and political status; and strategic significance in Western defense plans.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Idaho and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with the Richfield Oil Corp., 1956. Made by Norman Wright Productions.

30 min., sd., color, 16 mm.

Order no. 248.

Summary: Portrays the scenic attractions, agricultural resources, and mineral industries of Idaho.

Borrow from BM. *Cleared for tv.*

Identification of early syphilis (*Motion picture*) U. S. Public Health Service, 1961.

30 min., sd., color, 16 mm.

Order no. M 507.

Summary: A simulated medical school lecture on the subject of the identification of early syphilis. Stresses the importance of suspecting syphilis in office patients, discussing the necessity of being able to recognize the signs of early syphilis and the need for prompt and effective epidemiology. Includes rear-projected clinical slides.

Borrow from PHS. *Buy from* NF.

Identification of female anophelines of the United States (*Filmstrip*) U. S. Public Health Service, 1946.

73 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.

Order no. 5-019.

Summary: Explains the distinguishing characteristics of 13 species of anophelines—wing patterns, hind tarsi, palps, wing tip scales, knee spots, and halteres. Includes a test section of 10 pictures.

Borrow from PHS.

Identification of some common fleas (*Filmstrip*) U. S. Public Health Service, 1952.

59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.

Order no. F 101.

Summary: Explains important structures of the head, thorax, and abdomen used in identifying fleas; family characteristics of four families of fleas (Tungidae, Pulicidae, Ceratophyllidae, and Hystrichopsyllidae); and species characteristics of other fleas of public health importance.

Borrow from PHS.

Identification of some common sucking lice (*Filmstrip*) U. S. Public Health Service, 1948.

60 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Typhus control series)

Order no. 5-007.

With film guide.

Summary: Explains the morphological characteristics used to identify six genera and eight species of the more common lice in the United States. Primarily for entomologists.

Borrow from PHS. *Buy from* NF.

Identification of some mosquitoes of public health importance (*Filmstrip*) U. S. Public Health Service, 1952.

56 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.

Order no. F 95.

Issued also in 42 double frames (order no. S 95) without accompanying disc.

Summary: Drawings, with captions, of various species of mosquitoes. The recording explains the system of distinguishing one species from another and of identifying each.

Borrow from PHS.

Identification of South Pacific plants (*Filmstrip*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

90 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Castaway series)

Order no. SN 2306-d.

Summary: Explains how to recognize tropical fruits, plants and trees. Describes various uses to which foliage, fruits, and nuts can be put and whether or not cooking is necessary.

Borrow from Navy. *Buy from* NF.

Identification of U. S. genera of adult female mosquitoes (*Filmstrip*) U. S. Public Health Service, 1948.

92 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min.

Order no. 5-015.

Summary: Explains the taxonomy of mosquitoes, morphologic characters used in identifying mosquito genera, and characteristics of the different genera.

Borrow from PHS.

Identification of U. S. genera of adult ticks (*Filmstrip*) U. S. Public Health Service, 1950.

81 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.

Order no. 5-130.

Summary: Explains the morphological characters used in identifying 11 genera of adult ticks occurring in the United States.

Borrow from PHS.

Identification of U. S. genera of mosquito larvae (*Filmstrip*) U. S. Public Health Service, 1947.

103 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm., 18 min.

Order no. 5-042.

Summary: Shows the essential larval characters used in determining genera of the United States mosquito larvae, and explains the basic nomenclature used in larval taxonomy.

Borrow from PHS.

Identification of U. S. species of Anopheles larvae (*Filmstrip*) U. S. Public Health Service, 1950.

78 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.

Order no. 5-061.

Summary: Explains methods of distinguishing *Anopheles* larvae from larvae of other mosquitoes and aquatic insects; and gives a schematic key to differentiate the important characteristics of each species.

Borrow from PHS. *Buy from* NF.

Identifying and precutting cable (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 3)

Order no. OE 112.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Characteristics of VCLA cable used in merchant ships; how to compute cable size for identification; and identify and precut cable.

Buy from NF.

Identifying and precutting cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

26 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 3)

Order no. OE 112-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

If I were you (*Motion picture*) U. S. Dept. of the Air Force, 1957.

44 min., sd., b&w, 16 mm.

Order no. TF 1-5200.

Summary: Demonstrates basic human relationships through a series of typical situations encountered by an Air Force officer, and illustrates through individual stories the successful application of the role-playing method to real life problems.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Ignition and spark plug (*Motion picture*) U. S. Army Air Forces, 1944.

12 min., sd., b&w, 16 mm.

Order no. TF 1-4137.

Summary: Explains the construction and care of the aircraft spark plug, and analyzes the function of the primary, secondary, breaker, condenser, and distributor.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The ignition system (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
68 fr., b&w, 35 mm.
Order no. SCG 154-g, formerly SG 1690.
Summary: Explains the construction and operation of coil, condenser, breaker points, distributor, and spark plugs.

Buy from NF.

Image in the mirror (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

26 min., sd., b&w, 16 mm. (The home nursing story, no. 4)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses body mechanics and posture, showing the correct body mechanics and good posture for the home nurse and for the patient.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

Immigrants (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 13)
Summary: Presents the story of a Hungarian family who emigrate to the United States under the sponsorship of a Catholic refugee agency, their experiences in their new country, their adjustments, and what this country means to them. Prepared for overseas use.
Buy from NF. Cleared for tv. Prior authorization required.

Importance of military packaging (*Motion picture*) U. S. Dept. of the Navy, 1953.
9 min., sd., b&w, 16 mm.
Order no. MN 7946.
Summary: Explains differences between military and civilian supply routes; shows typical military handling methods; gives illustrations of the results of inadequate packaging; and emphasizes the importance of packaging according to military requirements.
Borrow from Navy. Buy from NF. Cleared for tv.

Important diseases common to the tropics (*Filmstrip*) U. S. Dept. of the Army, 1951.
110 fr., color, 35 mm.
Order no. FS 8-148.
Summary: Shows histological slides on diseases common to the tropics.
Borrow from Army.

The imported fire ant (*Motion picture*) U. S. Dept. of Agriculture, 1959.
13 min., sd., color, 16 mm.
Short version of the motion picture entitled Fire ant on trial.
Summary: Describes the destructiveness of the fire ant and shows, by photomicrography and animation, the growth and life of the ant.
Rent from DA film libraries. *Cleared for tv.*

The impressionable years (*Motion picture*) U. S. Dept. of State, 1952. Made by Peter Elgar Productions. Released for educational use in the United States through U. S. Office of Education, 1952.
30 min., sd., b&w, 16 mm.
Summary: Portrays a little girl's first experience in the children's room of the New York Public Library, explains the appreciations which may develop in children through reading, and emphasizes freedom of choice and democratic relationships in the library. Prepared for overseas use.

Buy from NF.

Impressions of Japan (*Motion picture*) U. S. Information Agency, 1956. Released for pullic educational use in the United States through U. S. Office of Education, 1957.
15 min., sd., b&w, 16 mm.
Summary: An interpretation of Wiliam Faulkner's impressions of Japan during his visit to participate in an American literature seminar at Nagano. Consists of quotations from various writings of the author, with supporting visual and musical background showing the people of Japan, their traditions, and their way of life. Prepared for overseas use.
Buy from NF. Cleared for tv. Prior authorization required.

Improved field wire laying with wire dispensers (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.
13 min., sd., b&w, 16 mm.
Order no. FB 11-234.
Summary: Describes the wire dispenser MX-306 A/G, a 26-lb. canvas-and-tape-covered package containing one-half mile of plastic-coated assault wire, and explains its advantages in helping solve a problem in communication—the rapid installation of forward circuits in rugged and unfriendly terrain.
Borrow from Army. Buy from NF. Cleared for tv.

Improving dairy herds (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
30 double fr., color, 35 mm.
Order no. C-25.
With lecture notes.
Summary: Suggests methods of developing a high-producing and profitable dairy herd, particularly through selective breeding.
Buy from PhotoLab.

Improving the job (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Ar Pictures.
9 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 163.
With instructor's manual.
Summary: A supervisor asks an employee for work-improvement suggestions; the employee talks the problem over with his father and sister, obtains their advice, and makes some worthwhile suggestions.
Buy from NF.

Improving the job
see also
Mejorando el trabajo

In common cause (*Motion picture*) U. S. Dept. of Agriculture, 1945.
19 min., sd., b&w, 16 mm.
Summary: Shows the accomplishments of soil conservation districts and how they are formed and operated.
Rent from DA Film Libraries. *Buy from NF.*

In honor of liberty (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 77.
Summary: A corporal in the U. S. Army describes his first visit to the Statue of Liberty and his feelings concerning its meaning.
Borrow from Army. Buy from NF. Cleared for tv.

In-pile loop tests of homogeneous reactor materials (*Motion picture*) U. S. Atomic Energy Commission, 1958.

25 min., sd., color, 16 mm.
Summary: Describes a typical in-pile loop experiment in the radiation-corrosion program of the Homogeneous Reactor Project at the AEC's Oak Ridge National Laboratory. Particular emphasis is given to the equipment and experimental procedures used in evaluating effects of nuclear radiation on corrosion of metals and alloys exposed to an approximation of the environment in a circulating-fuel aqueous homogeneous reactor.
Borrow from AEC. Buy from Byron. Cleared for tv.

In service management engineering: Project AFTO (*Motion picture*) U. S. Dept. of the Air Force, 1959.

12 min., sd., color, 16 mm.

Order no. SFP 551.

Summary: Explains how a comprehensive study of seriously hampered operations in a large air freight terminal and the use of a management-engineering approach to the problem resulted in physical and administrative improvements and stimulated progressive managerial attitudes.

Borrow from AF.

In the beginning (*Motion picture*) U. S. Dept. of Agriculture, 1937.

17 min., sd., b&w, 16 mm.

Revision of Ovulation, fertilization, and early development of the mammalian egg.

A short version for school use was released in 1939 under title How animal life begins.

Summary: Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.

Rent from DA Film Libraries. *Buy from* NF.

In the nationa interest (*Motion picture*) U. S. Office of Education, 1963. Made by National Education Television and Radio Center.

60 min., sd., color, 16 mm.

Summary: Covers in general the work of State Department education supervisors of foreign languages, the National defense educational act foreign language institutes, instruction in heretofore "neglected languages," and research underway dealing with foreign languages.

Buy from NF. *Cleared for tv.*

The in-vitro test for virulence of C. diphtheriae
see Toxigenicity test of C. diphtheriae

In which we live (*Motion picture*) U. S. Information Agency, 1958. Made by Atlas Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.

23 min., sd., b&w, 16 mm.

Summary: Describes the cooperative effort of the 64 nations participating in the scientific projects of the International Geophysical Year. Explains the three major phases of the IGY activity: study of the earth's surface and core, of the earth's atmosphere, and of outer space. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

In your defense (*Motion picture*) U. S. Dept. of the Air Force, 1959.

23 min., sd., color, 16 mm.

Order no. SFP 646.

Summary: Describes the purpose, development, and capabilities of SAGE, the semiautomatic ground environment system designed to preclude the penetration of enemy or unidentified aircraft without detection. Explains the functions of the detection center.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The inauguration of John F. Kennedy—35th President of the United States (*Motion picture*) U. S. Information Agency, 1961. Made by Fox-Movietone News. Released for public educational use in the United States through U. S. Office of Education, 1961.

18 min., sd., color, 16 mm.

Summary: Shows the inaugural ceremony, parts of the inaugural address, and the inaugural parade.

Buy from NF. *Cleared for tv. Prior authorization required.*

Inauguration of President Truman (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

18 min., sd., b&w, 16 mm.

Order no. MF 45-7545.

Summary: Documentary coverage of the inauguration of President Truman, with highlights of the inaugural address.

Borrow from Army. *Buy from* NF.

Incineration (*Motion picture*) U. S. Public Health Service, 1960.

13 min., sd., color, 16 mm.

Order no. M 353.

Summary: A filmograph which discusses the principles of incineration and explains the method as a means of sanitary refuse disposal.

Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Incredible cataract (*Motion picture*) U. S. Army Engineers, 1956.

21 min., sd., color, 16 mm.

Summary: Tells the history of Niagara Falls; explains the effect of erosion of the falls, the purpose of the "remedial project," and the advantage of hydraulic model studies in determining the most practical and effective means of preserving and enhancing the beauty of this world spectacle. Shows actual construction scenes to January 1, 1956.

Borrow from Eng. *Cleared for tv.*

Independence Day, 175th anniversary (*Motion picture*) U. S. Dept. of Defense, 1951.

6 min., sd., b&w, 16 mm.

On reel with Aerobee.

Order no. AFSR 135.

Summary: A pictorial record of the observance of Independence Day on July 4, 1951.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Independent commercial radio station (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Mitchell Films Associates. Released for public educational use through U. S. Office of Education, 1952.

18 min., sd., b&w, 16 mm.

Summary: Shows the day-by-day operation of a local commercial radio station in the United States. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Individual load-carrying equipment (*Motion picture*) U. S. Dept. of the Army, 1961.

20 min., sd., b&w, 16 mm.

Order no. TF 10-3092

Summary: Describes the components of the soldier's individual load-carrying equipment and the proper assembly and wearing of the load.

Borrow from Army.

Individual protection against atomic attack (*Motion picture*) U. S. Dept. of the Army, 1958.

25 min., sd., b&w, 16 mm.

Order no. TF 20-2531.

Summary: Explains, by means of animation and live action, the principal effects of atomic explosions, blast, heat, and nuclear radiation; depicts the protective measures to be taken by a soldier before, during, and after the attack. Emphasizes that although atomic weapons are powerful, a soldier must learn to protect himself, to continue to live and carry out his mission.

Borrow from Army.

Individual protection against CBR attack (*Motion picture*) U. S. Dept. of the Army, 1962.

24 min., sd., b&w, 16 mm.

Order no. TF 3-2499

Revised version of the 1957 motion picture of the same title.

Summary: Explains the nature of and the protective measures against chemical, biological, and radiological warfare.

Borrow from Army. Exhibition restricted to medical and allied groups.

Individual sewage disposal systems series
see
Appraising soils for soil absorption systems
Constructing a typical household system
Principles of operation and design

Inductance (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
34 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-b.
Supplementary filmstrip of same title also available.
Summary: Shows how a magnetic force reacts around a coil, the nature of self-inductance, and how to increase the inductance of a coil.

Borrow from Navy. Buy from NF.

Inductance (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
38 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540-ab.
Supplements the motion picture of the same title.

Borrow from Navy. Buy from NF.

Induction system icing (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.
77 fr., b&w, 35 mm.
Order no. SN 257.
Summary: Explains the conditions under which ice will form, how it forms in the carburetor despite high temperature, three methods used to prevent ice formation, and what the pilot must do to prevent ice from forming.
Borrow from Navy.

Inductive reactance (*Filmstrip*) · U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.
33 fr., b&w, 35 mm.
Order no. SN 647.
Summary: Explains the basic theory of inductive reactance and its application to radio instruments.

Borrow from Navy. Buy from NF.

Industrial applications of nuclear explosives (*Motion picture*) U. S. Atomic Energy Commission, 1958.

11 min., sd., color, 16 mm.
Summary: Compares nuclear and chemical explosives. Presents potential industrial applications of nuclear explosives in such projects as harbor development, economical recovery of low-grade ore bodies, release of petroleum from oil shale, underground production of steam to generate power, and development of large underground reservoirs in arid areas.

Borrow from AEC. Buy from Byron. Cleared for tv.

Industrial applications of radioisotopes (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by U. S. Dept. of the Army.

57 min., sd., color, 16 mm.
Summary: Surveys the current uses of radioisotopes throughout American industry. Describes and shows examples of three major areas of use—nuclear gauging (thickness, density, and level), radiography, and tracing. Covered briefly are liminescence, static elimination, isotopic power, and uses of high-intensity rediation. Uses animation to explain basic principles. Includes examples of in-plant uses.

Borrow from AEC. Buy from Byron. Cleared for tv.

Industrial hygiene and safety: Breathe and live (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.
18 min., sd., color, 16 mm.
Order no. MN 7498-a.
Summary: Shows and explains health precautions to be observed and protective gear to be used on shipboard and ships ashore, to avoid ill effects from noxious gases and oxygen deficiency when welding, painting, using solvents, working with internal combustion engines, and entering and working in void spaces and tanks.

Borrow from Navy. Buy from NF. Cleared for tv.

Industrial medicine in action: Toxic chemical agents (*Motion picture*) U. S. Dept. of the Air Force, 1960.

29 min., sd., color, 16 mm.
Order no. TF 1-8170b.
Summary: Explains the need of evaluating working conditions in shops and on flight lines and discusses the importance of protecting workers from toxic chemical agents. Stresses the need for periodic physical examination of workers, the use of protective equipment, and proper ventilation.
Borrow from AF. Buy from NF. Cleared for tv.

Industrial pl[illegible]tion (*Motion picture*) U. S. Dept. of the Army, [illegible].
29 min., sd., b&w, 16 mm.
Order no. TF 19-1847.
Summary: Explains the basic principles, standards, and elements of physical security applicable to plants engaged in defense production. Prepared for use by military and civilian security officers and guards.

Borrow from Army. Buy from NF. Cleared for tv.

The industry-Army quality assurance program (*Motion picture*) U. S. Dept. of the Army, 1960.

23 min., sd., color, 16 mm.
Order no. TF 38-2841.
Summary: Describes the purpose, basic concepts, advantages, and implementation of the industry-Army quality assurance program and defines the requirement for quality control of all items purchased by the Army for the safety, efficiency, and survival of the soldier in combat. Discusses the four phases of the current working agreement between the Army and industry on quality control and demonstrates the practical application of the program in a meat-packing plant and a parachute-manufacturing plant.
Borrow from Army. Buy from NF. Cleared for tv.

Infant care (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm. (Health for the Americas series)
Summary: Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

Buy from NF. Cleared for tv. Prior authorization required.

Infant care
see also
Como cuidar da criança
El cuidado del niño

Infantry operations in mountains (*Motion picture*) U. S. Dept. of the Army, 1954.
38 min., sd., b&w, 16 mm.
Order no. MF 7-8278.
Summary: Explains the nature of mountain terrain and the special problems it creates for offensive and defensive military operations, including physical characteristics, weather conditions, effects of high altitude upon troops, and difficulties in communications.

Borrow from Army. Buy from NF. Cleared for tv.

Infantry weapons and their effects: M1C cal. .30 sniper's rifle; sniperscope, infrared set no. 1 (*Motion picture*) U. S. Dept. of the Army, 1954.
6 min., sd., color, 16 mm.
Order no. FB 7-275.
Summary: Characteristics and use of the standard caliber .30 M1 rifle with special modifications of telescopic sight, flash hider, and cheek pad; and the sniperscope, a device enabling soldiers to see targets at night.
Borrow from Army.

Infantry weapons and their effects: Portable flame thrower (*Motion picture*) U. S. Dept. of the Army, 1954.
4 min., sd., color, 16 mm.
Order no. FB 7-277.
Summary: Demonstrates the portable flame thrower, including location and characteristics of component parts, operation, and characteristics and effects of thickened and unthickened fuel.

Borrow from Army. Buy from NF. Cleared for tv.

Infantry weapons and their effects: U. S. pistol, cal. .45; submachine gun, cal. .45; U. S. carbine, cal. .30 (*Motion picture*) U. S. Dept. of the Army, 1954.
8 min., sd., color, 16 mm.
Order no. FB 7-273.
Summary: Explains the characteristics and capabilities of the three types of weapons, with firing demonstrations of each.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The infectious diarrheas (*Motion picture*) U. S. Public Health Service, 1960.
15 min., sd., color, 16 mm.
Order no. M 373.
Summary: Discusses the overall problems involved in the control of some enteric diseases.
Borrow from PHS. *Buy from* NF.

Infectious hazards of bacteriological techniques (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.
13 min., sd., color, 16 mm.
Order no. M 57.
Based on material presented in the U. S. Army silent film, Infectious hazards of bacteriological technics.
Summary: Demonstrates by laboratory experiments that bacteriological aerosols, which may infect a technician, are produced even in such procedures as shaking liquid cultures, transferring cultures, mixing with a pipette, and blending cultures. Explains ways of lessening such dangers. Summarizes a series of films dealing with particular pieces of laboratory apparatus.
Borrow from PHS. *Buy from* NF.

Infectious hazards of bacteriological techniques series
see
The centrifuge
The high speed blender
The hypodermic syringe
The inoculating needle
The lyophilizer
The pipette

Infective larvae of ancylostoma caninum (*Motion picture*) U. S. Public Health Service, 1952.
5 min., sd., b&w, 16 mm.
Order no. M 114.
Summary: Portrays the form of infective larvae of the dog hookworm and their behavior on soil particles. A study film for biologists and parasitologists.
Borrow from PHS. *Buy from* NF.

Infective larvae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.
4 min., si., color, 16 mm. (Parasitology series)
Order no. 4-069.
Summary: Cinemicrography of activity of infective larvae of *Wuchereria bancrofti* from mosquitoes infected with microfilariae (diurna) from Society Islands infection.
Borrow from PHS. *Buy from* NF.

Infeed grinding a shaft of two diameters (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
31 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 4)
Order no. OE 88.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to profile-grind shafts by the infeed method; use cams in profiling the regulating wheel and grinding wheel; install cams; profile the wheels; set up the centerless grinding machine for the job; and rough- and finish-profile grind.
Buy from NF.

Infeed grinding a shaft of two diameters (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
39 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 4)
Order no. OE 88-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Infeed grinding shouldered work (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 3)
Order no. OE 87.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Principle of infeed grinding; how to use an automatic ejector; tilt the regulating wheel; adjust the end-stop; position the work for grinding; correct work ground out of round; and check work with V block, indicator, and micrometer.
Buy from NF.

Infeed grinding shouldered work (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
38 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 3)
Order no. OE 87-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Initial surgery of abdominal wounds (*Motion picture*) U. S. Dept. of the Army, 1956.
30 min., sd., color, 16 mm.
Order no. PMF 5308.
Summary: Demonstrates surgical techniques used under combat conditions in the initial surgery of abdominal wounds, including rectus splitting incision; exploration of the liver, small intestine, and large intestine; repair of a simple laceration of the small intestine; paramedian incision; nephrectomy; resection of the small intestine for multiple wounds; defunctioning colostomy for multiple wounds of the colon; drainage of the presacral space; exploration of the ureter; exteriorization of a single wound of the colon; exploration and drainage of the liver; exploration of the duodenal area; removal of fragment from the retroperitoneal muscle; exploration of the kidney; debridement of entrance wounds; and various wound closures.
Borrow from Army. *Buy from* NF.

Initiation à la modèlerie
see Usinage précis du bois. Initiation à la modèlerie

Injection molding. Part 1: Setting up the press and molding a part (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Plastics series, no. 7)
Order no. OE 472.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: What happens in the plunger cylinder, heating cylinder, and mold during injection molding; how to set up an injection molding press for a specified job; maintain the operating cycle and prevent damage to the mold and the press.
Buy from NF.

Injection molding. Part 1: Setting up the press and molding a part (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
37 fr., b&w, 35 mm. (Plastics series, no. 7)
Order no. OE 472-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Injection molding. Part 2: Cleaning and servicing the press (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
12 min., sd., b&w, 16 mm. (Plastics series, no. 8)
Order no. OE 473.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to disassemble the heating cylinder; clean the cylinder, hopper, and feeder mechanism; give the entire press a routine cleaning; and prepare scrap material for re-use.
Buy from NF.

Injection molding. Part 2: Cleaning and servicing the press (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

34 fr., b&w, 35 mm. (Plastics series, no. 8)

Order no. OE 473–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Injection nozzle (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series. Benchwork)

Order no. MN 3691–h.

Summary: How to test and check injection pressure; and disassemble, clean, and reassemble injection nozzle.

Borrow from Navy. *Buy from* NF.

Injector block reconditioning and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 2)

Order no. MN 2364–n.

Summary: How to clean parts, lap valve seats, remove lapping compound, reassemble all valve parts in the injector block, and reassemble auxiliary parts in the injector block.

Borrow from Navy. *Buy from* NF.

Injector block removal and disassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 1)

Order no. MN 2364–m.

Summary: How to put throttle in closed position, remove inspection window and injector block, and complete disassembly of the injector block and valve parts at a work bench.

Borrow from Navy. *Buy from* NF.

Injector block replacement and timing (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

13 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 3)

Order no. MN 2364–o.

Summary: Demonstrates how to replace the injector block and connecting lines; and explains in detail how to set the injector lifts.

Borrow from Navy. *Buy from* NF.

The innerbottom: Setting up floors and longitudinals (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 3)

Order no. OE 26.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to fair the keel; set and fit transverse floors; and set, fit, and weld longitudinal girders.

Buy from NF.

The innerbottom: Setting up floors and longitudinals (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

44 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 3)

Order no. OE 26–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 2)

Order no. OE 25.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How the keel, longitudinal girders, transverse side stiffeners, and tank tops form the innerbottom of a ship; how to lay out and install closed floor and open floor sections, and to weld stiffeners to the floors.

Buy from NF.

Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

42 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 2)

Order no. OE 25–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The inoculating needle (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

10 min., sd., b&w, 16 mm. (Infectious hazards of bacteriological techniques)

Order no. M 57–a.

Covers same material presented in filmstrip of the same title.

Summary: Demonstrates by laboratory experiments that bacteriological aerosols are produced from various methods of using inoculating needles on cultures, and explains how the bacterial infestation of such aerosols can be reduced by modifications in the inoculating techniques.

Borrow from PHS. *Buy from* NF.

The inoculating needle (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

102 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Infectious hazards of bacteriological techniques, no. 1)

Order no. F 57–a.

Covers same material presented in motion picture with same title.

Borrow from PHS. *Buy from* NF.

Insect enemies (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

7 min., sd., color, 16 mm.

Summary: Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

Buy from NF. *Cleared for tv.*

Insect enemies
see also
Como exterminar os insectos
Exterminación de las plagas

Insect pests of garden vegetables and their control (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

63 fr., b&w, 35 mm.

Order no. 508.

With lecture notes.

Summary: Life stage of biting and sucking types of insects; damage caused by both types; and recommended control measures.

Buy from PhotoLab.

Insect repellent, part 1 (*Motion picture*) U. S. Dept. of the Army, 1955.

4 min., sd., b&w, 16 mm.

Order no. MF 8-8229.

Summary: Explains that a mosquito bite can infect the soldier in the field with malaria, and cautions soldiers to use insect repellent and wear clothing treated against insects.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Insect repellent, part 2 (*Motion picture*) U. S. Dept. of the Army, 1955.
4 min., sd., b&w, 16 mm.
Order no. MF 8–8230.
Summary: Explains that the bite of a mite can infect the soldier in the field with scrub-typhus fever, and cautions soldiers to use insect repellent and wear clothing treated against insects.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Insect repellent, part 3 (*Motion picture*) U. S. Dept. of the Army, 1954.
4 min., sd., b&w, 16 mm.
Order no. MF 8–8231.
Summary: Explains that a mosquito bite can infect a soldier with the virus causing sleeping sickness, and cautions soldiers to use insect repellent to prevent being bitten.
Borrow from Army. *Buy from* NF.

Insects of importance to public health in the U. S. (*Filmstrip*) U. S. Public Health Service, 1952.
37 double fr., color, 35 mm.
Order no. 9–084.
Summary: Identifies important characteristics of 37 species of flies that are of public health importance, including sand, horse, deer, and black flies; eye gnats; human bot fly; tsetse fly; and several varieties of muscoid flies.
Borrow from PHS.

Insects, their growth and structure (*Filmstrip*) U. S. Dept. of Agriculture, 1936.
44 fr., b&w, 35 mm.
Order no. 399.
With lecture notes.
Summary: Shows by drawings the types and kinds of insects, their external and internal anatomy and life cycles.
Buy from PhotoLab.

Inside passage (*Motion picture*) U. S. Army Engineers, 1949.
30 min., sd., color, 16 mm.
Summary: Portrays and explains the importance of the Atlantic intracoastal waterway from Norfolk, Va., to Key West, Fla.
Borrow from Eng. *Cleared for tv.*

The inside story of concrete (*Motion picture*) U. S. Army Engineers, 1954.
14 min., sd., color, 16 mm.
Summary: Shows by live photography and animation the investigational work required for the production of high quality mass concrete, and the activities of the Waterways Experiment Station in the development and application of methods of testing concrete.
Borrow from Eng. *Cleared for tv.*

Inside the cell. Part 1: Enzymes in intracellular chemistry (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
45 min., sd., color, 16 mm.
Order no. PMF 5077–a.
Summary: A study of the theory of enzymes, showing by animated drawings the better known steps in glucose metabolism, and portraying by live-action photography the laboratory techniques practiced by several Nobel prize-winners.
Borrow from Army. *Buy from* NF.

Inside the cell. Part 2: Regulation of enzymes (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
43 min., sd., color, 16 mm.
Order no. PMF 5077–b.
Summary: Explains the factors regulating enzyme action; shows a laboratory demonstration of feeding radioactive acetate to rats; discusses the effects of drugs on enzymes, the action of anti-metabolites, glycolysis and Kreb's cycle; and pictures the chemical action inside a cell.
Borrow from Army. *Buy from* NF.

Insomnia (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Combat fatigue series)
Order no. MN 3428–e.
Summary: Stresses that insomnia is the result of worries, often minor, and of being "wound up too tight." Demonstrates a method of relaxing all parts of the body and coaxing oneself to go to sleep.
Borrow from Navy. *Buy from* NF.

Inspecting and adjusting hydraulic brakes (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
13 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 255.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to inspect the hydraulic brake system; bleed the hydraulic brakes; add fluid to the hydraulic system reservoir; and check the brakes.
Buy from NF.

Inspecting and adjusting hydraulic brakes (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
45 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 255–fs.
With instuctor's manual. Supplements motion pictue of same title.
Buy from NF.

Inspecting and reconditioning piston assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
22 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 263.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to clean, inspect, and recondition the piston assembly; measure clearances; and install new piston rings.
Buy from NF.

Inspecting and reconditioning piston assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
44 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 263–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Inspecting and reconditioning valve assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
25 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 264.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to disassemble the valve mechanism; clean and recondition the parts; measure clearances; reassemble the valve mechanism; and reinstall pistons and cylinders.
Buy from NF.

Inspecting and reconditioning valve assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
54 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 264–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Inspecting the external fuel system, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.
51 fr., b&w, 35 mm.
Order no. SN 187-a.
Summary: Demonstrates the procedures recommended for cleaning and inspecting the entire external fuel system of the airplane.

Borrow from Navy. *Buy from* NF.

Inspection and preparatory steps (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
8 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691-a.
Summary: Covers the preliminary steps, including inspection, in the maintenance and repair of a Fairbanks Morse Diesel engine, model 38D8 1/8 O. P.

Borrow from Navy. *Buy from* NF.

Inspection, maintenance, and operation of automatic sprinkler systems (*Motion picture*) U. S. Dept. of the Air Force, 1959.
25 min., sd., color, 16 mm.
Order no. TF 1-5308.
Summary: Explains the importance of automatic sprinkler systems in fire protection and control. Demonstrates inspection and maintenance procedures common to all systems, and emphasizes the wet pipe, dry pipe, and deluge systems.

Borrow from AF. *Buy from* NF.

Inspection methods, part 1 [-2]
see Optical inspection methods, part 1 [-2]

Inspection of minor assemblies (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
16 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 2)
Order no. OE 146.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to inspect a minor assembly in detail; read rivet specifications; and inspect rivets.

Buy from NF.

Inspection of minor assemblies (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
36 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 2)
Order no. OE 146-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Inspection of piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 2)
Order no. MN 2364-f.
Summary: Demonstrates how to inspect piston covers and piston head, measure ring clearance, remove and inspect rings and ring grooves, measure piston pin and bearings, and record measurements.

Borrow from Navy. *Buy from* NF.

Inspection of plumbing and piping (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
17 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 3)
Order no. OE 147.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to inspect pluming and piping in detail; verify the materials used; inspect installation of the part in the plane; and identify the different plumbing lines.

Buy from NF.

Inspection of plumbing and piping (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
40 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 3)
Order no. OE 147-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Inspection of sheet metal parts (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
20 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 1)
Order no. OE 145.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to plan an inspection routine; inspect sheet metal parts in detail; make visual inspections and spot checks.

Buy from NF.

Inspection of sheet metal parts (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
42 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 1)
Order no. OE 145-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Inspection of threads (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
22 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 4)
Order no. OE 148.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to identify the different parts of an American National Standard Thread; inspect external threads with a roll snap gage; adjust the roll snap gage; and inspect internal threads with a plug gage.

Buy from NF.

Inspection of threads (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
49 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 4)
Order no. OE 148-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Inspection series
see Aircraft work series. Inspection

Installation of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Benchwork)
Order no. MN 3708-f.
Summary: How to recondition the cylinder head, remove valve springs and valves; reface and check valve seats; check height of valve stems; and clean and inspect parts.

Borrow from Navy. *Buy from* NF.

Installation of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Reassembly)
Order no. MN 3708-e.
Summary: How to position the cylinder head; install injector linkages, fuel lines, rocker arm assemblies, test valves, and piston cooling oil lines.

Borrow from Navy. *Buy from* NF.

Installation of liner and piston (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

23 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Reassembly)
Order no. MN 3708-d.
Summary: How to install liners, blade rod piston assembly, fork rod piston assembly, and pistons; and secure pistons with the bearing cap.

Borrow from Navy. *Buy from* NF.

Installation of pumping stations (*Motion picture*) U. S. Dept. of the Army, 1954.

17 min., sd., b&w, 16 mm. (Military pipeline operations, no. 2)
Order no. TF 5-1863.
Summary: Illustrates the erection of a pumping station, using a U. S. Army "pipeline station manifold set no. 2."
Borrow from Army.

Installing and aligning tail surfaces (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 259.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to inspect and remove damaged tail surfaces; prepare new parts for installation; and install new stabilizers, elevators, and rudder.

Buy from NF.

Installing and aligning tail surfaces (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

43 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 259-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing and connecting telltale panel (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 7)
Order no. OE 116.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out telltale unit; remove insulation from cable; reinsulate conductors and cable; and connect conductors to the multiconnection box.

Buy from NF.

Installing and connecting telltale panel (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 7)
Order no. OE 116-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing conduit (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

25 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 12)
Order no. OE 381.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to bend electrical metallic tubing; install tubing runs; bend rigid conduit; install rigid conduit runs; and use flexible conduit.

Buy from NF.

Installing conduit (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

48 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 12])
Order no. OE 381-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing landing gear (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 257.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to remove damaged landing gear; replace old bolts, nuts, and cotters; install an aircraft bolt properly; assemble and install a new landing gear; and check alignment and track of wheels.

Buy from NF.

Installing landing gear (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

44 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 257-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing surface metal raceway (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

22 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 11])
Order no. OE 380.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to install a molding raceway run to ceiling outlet; from ceiling outlet to wall switch; from ceiling outlet to wall fan; and to floor outlet.

Buy from NF.

Installing surface metal raceway (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

29 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 11])
Order no. OE 380-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing valves and strainer on sea chest (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 5)
Order no. OE 99.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How studs are driven and checked for accuracy; valves installed on sea chests; and how strainer is prepared for and installed on sea chest.
Buy from NF.

Installing valves and strainer on sea chest (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

29 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 5)
Order no. OE 99-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Installing valves in engine room systems, part 1 (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 8)
Order no. OE 123.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Identification of principal units in engine-room system; function of valves in controlling cycle of steam; design and functions of gate valve, globe valve, and check valve.

Buy from NF.

Installing valves in engine room systems, part 1 (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

37 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 8)
Order no. OE 123–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing valves in engine room systems, part 2 (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 9)
Order no. OE 124.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Installation of the globe valve in main steam line; gate, angle, and swing-check valves; flanged valves; and valves with threaded fittings where clearance is limited.

Buy from NF.

Installing valves in engine room systems, part 2 (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

46 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 9)
Order no. OE 124–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Installing vitreous fixtures (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 6)
Order no. OE 121.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out, drill, and tap the seating; measure and cut brass studs; make watertight installations; and assemble and connect the flushometer.

Buy from NF.

Installing vitreous fixtures (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

54 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 6)
Order no. OE 121–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Instructing the blind worker on the job (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

17 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 166.
With instructor's manual.
Summary: How a supervisor trains a blind worker to operate a drill press.

Buy from NF.

Instructing the disabled worker on the job (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

14 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 400.
With instructor's manual.
Summary: Dramatized instances of poor and good instruction of disabled workers, and how in the latter case, a one-armed worker learns successfully to operate a drill press.

Buy from NF.

Instructing the worker on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

14 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 155.
With instructor's manual.
Summary: Dramatization of how not to instruct a new worker and the results of poor on-the-job instruction; in contrast, how such instruction should be done.

Buy from NF.

Instrument flight control series
see
Instrument flight rules
Orientation: The 90 degree method
Radio navigation, part 5
Radio navigation: The radio range

Instrument flight rules (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

58 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Instrument flight control series)
Order no. SN 1060–sd.
Summary: Deals with airway control center and communication facilities of the Civil Aeronautics Administration, including such items as alternate airports, contact flight rules, instrument flights, aircraft clearances, and flight plans.
Borrow from Navy.

Instrument flying techniques: Approach procedures (*Motion picture*) U. S. Dept. of the Air Force, 1961.

25 min., sd., b&w, 16 mm.
Order no. TF 1–5342c.
Summary: Shows to pilots the procedures which should be followed in approaching an airfield under unfavorable weather conditions and describes the types of facilities available. Emphasizes VOR (very high frequency omnidirectional range) and TACAN (tactical air navigation) approach principles and outlines the advantages of obtaining an early landing clearance.
Borrow from AF. *Buy from* NF.

Instrument flying techniques: Basic instruments (*Motion picture*) U. S. Dept. of the Air Force, 1961.

30 min., sd., b&w, 16 mm.
Order no. TF 1–5342a.
Summary: Emphasizes the importance of learning, perfecting, and practicing instrument flying techniques. Includes instrument coverage, instrument interpretation, and control techniques. Explains the use of control and performance instruments.
Borrow from AF. *Buy from* NF.

Instrument flying techniques: Take off and unusual attitudes (*Motion picture*) U. S. Dept. of the Air Force, 1961.

15 min., sd., b&w, 16 mm.
Order no. TF 1–5342b.
Summary: Familiarizes pilots with the technique of instrument takeoff and emphasizes that good instrument takeoff depends on how a pilot interprets and cross checks his instruments. Explains recovery procedures from unusual attitudes on instruments alone.
Borrow from AF. *Buy from* NF.

Instruments used in piloting (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

37 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–a, formerly SG 3883–a.

Summary: Describes the uses of instruments necessary for the piloting of a vessel.

Buy from NF.

Insulin and its use (*Filmstrip*) U. S. Public Health Service, 1950.

60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Taking care of diabetes series, no. 3)

Order no. 5–143.

Summary: Explains the function of insulin in the control of diabetes, the kinds and strengths of insulin, and the method of injection.

Borrow from PHS. *Buy from* NF.

Insulin reaction (*Filmstrip*) U. S. Public Health Service, 1950.

39 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Taking care of diabetes series, no. 5)

Order no. 5–145.

Summary: Explains the characteristics of a diabetic's reaction to too much insulin, the causes of insulin reactions, and the methods of preventing and treating insulin reactions.

Borrow from PHS. *Buy from* NF.

Intake and exhaust systems (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

36 fr., b&w, 35 mm.

Order no. FS 1–64.

Summary: Diagrams the essential elements of intake and exhaust systems for radial and V-type aircraft engines; gives a simplified explanation of the supercharger; and outlines maintenance and inspection procedures for intake and exhaust systems.

Borrow from AF. *Buy from* NF.

Integrated landing aids, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

25 min., sd., color, 16 mm.

Order no. MN 6613–a.

Summary: Explains the elements of GCA (ground control approach) and shows how an instrument landing is made under adverse weather conditions. Continued in part 2.

Borrow from Navy. *Buy from* NF.

Integrated landing aids, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

28 min., sd., color, 16 mm.

Order no. MN 6613–b.

Summary: Covers landing aids at an airport, particularly high intensity lighting of approaches and runways and fog dispersal equipment. Continuation of part 1.

Borrow from Navy. *Buy from* NF.

Interior and exterior trim (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

12 min., sd., b&w, 16 mm. (Building techniques series)

Order no. MN 6719–e.

Summary: Covers the installation of doors and windows and the finishing trim around them.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Intermediate helicopter flight training. Part 1: Take-off and flight procedures (*Motion picture*) U. S. Dept. of the Army, 1957.

17 min., sd., b&w, 16 mm.

Order no. TF 46–2418.

Summary: Demonstrates the take-off and flight procedures covered in the intermediate stage of helicopter pilot training, including "crabbing," "slipping," cross-wind take-off, maximum performance take-off, running take-off, and rapid deceleration maneuver.

Borrow from Army.

Intermediate helicopter flight training. Part 2: Autorotations (*Motion picture*) U. S. Dept. of the Army, 1957.

12 min., sd., b&w, 16 mm.

Order no. TF 46–2419.

Summary: Demonstrates helicopter autorotation maneuvers, explaining the specific flight conditions that make them necessary, and how they are performed under flight conditions, including two types of power recoveries, autorotation turns, flare autorotation, and autorotation with an antitorque failure.

Borrow from Army.

The internal combustion engine: Principles of operation (*Motion picture*) U. S. Army Air Forces, 1944.

29 min., sd., b&w, 16 mm.

Order no TF 1–4300.

Summary: Explains, by use of models and animation, the basic operating principles of the internal combustion engine.

Buy from NF.

International anarchy and America's entry into World War II

see American history II, lecture 13: International anarchy and America's entry into World War II

International House (*Motion picture*) U. S. Dept. of the Army, 1950. Made by American Film Producers. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

Summary: Portrays foreign students working and living together and showing cultural exchanges at International House, N. Y., and explains the importance of such experiences in furthering international understanding and goodwill. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

International ice patrol (*Motion picture*) U. S. Dept. of State, 1949. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

22 min., sd., b&w, 16 mm.

Summary: Shows how the U. S. Coast Guard, operating under international agreements, patrols the North Atlantic shipping lanes in search of icebergs, and issues warnings to ships. Illustrated through a portrayal of the cutter Mendota's search for iceberg no. 39. Prepared for overseas use.

Borrow from CG. *Buy from* NF.

International naval review (*Motion picture*) U. S. Dept. of the Navy, 1958.

4 min., sd., color, 16 mm.

Order no. MN 8771–b.

Short version of the motion picture with the same title.

Summary: Shows high spots of the festival at Jamestown, Va.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

International naval review (*Motion picture*) U. S. Dept. of the Navy, 1958.

11 min., sd., color, 16 mm.

Order no. MN 8771–a.

Summary: Shows high spots of the festival at Jamestown, including the U. S. Atlantic Fleet welcoming seventeen visiting navies to the international naval review at Norfolk, Va.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Interpretación de un plano en tres proyecciónes (*Motion picture*) U. S. Office of Education [1959?]

10 min., sd., b&w, 16 mm.

Order no. OE 52–Sp.

Spanish version of the 1945 motion picture entitled Reading a three-view drawing.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Explains how to use a blueprint in order to visualize the object; how to interpret a blueprint; and how to make a tool block according to specifications shown on a blueprint.

Buy from NF.

Interpretation and contruction of graphs
see Beginning algebra I, lecture 6: Interpretation and construction of graphs

Interpretation of a single "lop" (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

23 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1-822.

Summary: Explains the meaning of "lop" (line of position), and tells how it may be found and when it can be used as a speed or course line.

Borrow from AF.

Interpreting weather for landing aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1955.

42 min., sd., b&w, 16 mm.

Order no. TF 1-4996.

Summary: Discusses every phase of weather information necessary for correct and safe landing of aircraft, including all conditions under which the pilot may have to land his plane.

Borrow from AF. *Cleared for tv.*

Interproximal and occlusal dental radiographic techniques (*Motion picture*) U. S. Dept. of the Air Force, 1957.

14 min., sd., b&w, 16 mm.

Order no. FTA 270.

Summary: Demonstrates techniques for using interproximal and occlusal dental radiography and exposure of proximal and occlusal films.

Borrow from AF.

Interrelationships of vessels and ducts
see The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts

Interviewing principles and techniques (*Motion picture*) U. S. Dept. of the Navy, 1951.

17 min., sd., b&w, 16 mm.

Order no. MN 7360.

Summary: Demonstrates a classification interview illustrating principles of good interviewing including preparation, approach, getting the facts, use of simple terminology, guiding the conversation, and preventing interruptions.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The intestinal biopsy capsule (*Motion picture*) U. S. Dept. of the Army, 1961.

6 min., sd., color, 16 mm.

Order no. PMF 5337.

Summary: Depicts the features, use, and operation of the intestinal biopsy capsule devised by the Walter Reed Army Medical Center to study disease and normal functioning of the small intestine. Shows how the capsule, swallowed orally by the patient, makes possible single and several simultaneous biopsies at different levels of the small intestine.

Borrow from Army. *Buy from* NF.

Intra-abdominal closure descending colon colostomy (herniations and multiple openings) (*Motion picture*) U. S. Dept. of the Army, 1947.

15 min., sd., color, 16 mm.

Order no. PMF 5004.

Summary: Portrays colostomy of descending colon midway between umbilicus and anterior iliac crest with four separate openings resulting from damage to exteriorized loop of bowel; and demonstrates technique used to effect repair. For medical personnel.

Borrow from Army.

Intra-abdominal colostomy closure (right to left side) (*Motion picture*) U. S. Dept. of the Army, 1947.

9 min., sd., color, 16 mm.

Order no. PMF 5007.

Summary: Demonstrates techniques used in an intra-abdominal colostomy closure, right to left side. For medical personnel.

Borrow from Army.

Intramaxillary multiple loop wiring in treatment of jaw fractures (*Motion picture*) U. S. Dept. of the Army, 1951.

28 min., sd., color, 16 mm.

Order no. PMF 5188.

Summary: Demonstrates a technique of wiring as a temporary expedient in the early management of jaw fractures, and explains its limitations in definitive treatment.

Borrow from Army. *Buy from* NF.

Intramedullary fixation of the femur (*Motion picture*) U. S. Dept. of the Army, 1951.

23 min., sd., color, 16 mm.

Order no. PMF 519[illegible].

Summary: Demonstrates the treatment of fractures of the femur requiring prolonged fixation; shows postoperative planning, operative technique, and postoperative care. For medical personnel.

Borrow from Army. *Buy from* NF.

Intra-oral and pharyngeal structures and their movements (*Motion picture*) U. S. Veterans Administration, 1951.

23 min., sd., color, 16 mm.

Summary: Illustrates the physiological activity of the tongue, soft palate, and epiglottis in a patient who suffered the loss of a portion of the face as the result of a cancer in the maxillary sinuses. For medical personnel.

Borrow from VA. *Buy from* NF.

Intra-oral dental periapical radiographic techniques—maxillary and mandibular periapical examination (*Motion picture*) U. S. Dept. of the Air Force, 1957.

10 min., sd., b&w, 16 mm.

Order no. FTA 271c.

Summary: Demonstrates procedures for maxillary and mandibular periapical examination when long cone techniques are used. Intended primarily for apprentice dental specialists and dental technicians.

Borrow from AF.

Intravenous administration of fluids (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

17 min., sd., b&w, 16 mm. (Basic nursing care series)

Order no. MN 8576-e.

Summary: Describes the responsibilities of hospital corpsmen and demonstrates the specific procedures that they must follow when preparing a patient and in assisting the medical officer to administer large doses of fluids to patients in naval hospitals.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Introducing Belgium (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Belgium—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Belgium in the North Atlantic Treaty Organization.

Buy from NF. *Cleared for tv.*

Introducing Canada (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by National Film Board of Canada, Montreal. Released in the United States by U. S. Dept. of State, 1957.

22 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Canada—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Canada in the North Atlantic Treaty Organization.

Buy from NF. *Cleared for tv.*

9

Introducing Denmark (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Nordisk film junior, Copenhagen. Released in the United States by U. S. Dept. of State, 1956.

20 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Denmark—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Denmark in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing France (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Madeleine Films, Paris. Released in the United States by U. S. Dept. of State, 1956.

20 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of France—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of France in the North Atlantic Treaty Organization.

Buy from NF.

Introducing Germany (*Motion picture*) North Atlantic Treaty Organization, 1957. Released in the United States by U. S. Dept. of State, 1958.

23 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Germany—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Germany in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Greece (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State, 1956.

16 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Greece—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Greece in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Iceland (*Motion picture*) North Atlantic Treaty Organization, 1955. Released in the United States by U. S. Dept. of State, 1956.

18 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Iceland—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Iceland in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Italy (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

21 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Italy—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Italy in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Luxembourg (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Luxemburg—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Luxemburg in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Norway (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Norsk dokumentarfilm, Oslo. Released in the United States by U. S. Dept. of State, 1956.

19 min., sd., b&w, 16 mm. (Atlantic community)

Summary: Describes the country and the people of Norway—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Norway in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Portugal (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

18 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Portugal—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Portugal in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing the Netherlands (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of the Netherlands—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of the Netherlands in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing the new worker to his job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

16 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 154.

With instructor's manual.

Summary: Dramatization of how not to orient a new employee and get him started on his job; then by contrast, what should have been done.

Buy from NF.

Introducing the United Kingdom (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by World Mirror Productions, Beaconsfield, Eng. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of the United Kingdom—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of the United Kingdom in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing the United States (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by News of the day. Released in the United States by U. S. Dept. of State.

21 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of the United States—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of the United States in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introducing Turkey (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

21 min., sd., b&w, 16 mm. (The Atlantic community)

Summary: Describes the country and the people of Turkey—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Turkey in the North Atlantic Treaty Organization.

Buy from NF. Cleared for tv.

Introduction to airplane instruments (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

61 fr. b&w, 35 mm.
Order no. FS 1–23.
Summary: Explains the purposes, principles, and types of aircraft instruments.

Borrow from AF. *Buy from* NF.

Introduction to aphasia (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

30 min., sd., color, 16 mm. (Aphasia, no. 1)
Summary: Defines and describes aphasia; discusses receptive and emissive language functions; and differentiates various types of aphasia such as agnosia, agraphia, and paraphasia. Primarily animation. For medical personnel.
Borrow from VA.

Introduction to Army work simplification (*Motion picture*) U. S. Dept. of the Army, 1954.

19 min., sd., b&w, 16 mm.
Order no. TF 20–1736.
Summary: Presents an analysis of the U. S. Army's work simplification program, including consideration of the need and value of the program, illustrations of a number of work simplification ideas in action with accompanying remarks on the effects of the improvements, and a brief outline of the training course given line supervisors in work distribution, flow process, work count, application of the principles of motion economy, and layout study.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Introduction to automatic data processing (*Motion picture*) U. S. Dept. of the Army, 1958.

31 min., sd., b&w, 16 mm.
Order no. TF 11–2552.
Summary: Discusses the automatic data processing system (ADPS), explaining its underlying concept, capabilities, operation, and application as a new management tool. Shows several systems currently in use in Government installations—electric accounting machines. Remington Rand UNIVAC system, RCA BIZMAC system, Underwood ELECOM, Burroughs DATATRON system. Using animation, analyzes the features, operation, and functional components of ADPS, giving attention to communication networks, input and output devices, and the central processing unit consisting of the internal control section, memory section, and arithmetic and logic section. A simple problem is processed for demonstration purposes.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

An introduction to backsiphonage and cross connections (*Filmstrip*) U. S. Public Health Service, 1957.

75 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. F 171.
Summary: Describes the public health significance of two defects of plumbing systems—backsiphonage and cross connections; identifies their basic causes; and explains methods of prevention.

Borrow from PHS. *Buy from* NF.

An introduction to bacteriology series
see
Basic biology of bacteria

Introduction to clinical neurology series
see
Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states
Disorders of the extra-pyramidal system and the posterior columns
Functional syndromes with pronounced physical symptoms
General neurological examination and clinical signs of disorders of the pyramidal system

Introduction to combat fatigue: Doctor's version (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

31 min., sd., b&w, 16 mm.
Order no. MN 3428–b.
A version without the leading titles, which give instructions for screening, is available for general use (order no. MN 3428–a)
Summary: Analyzes fear and relates the symptoms of combat fatigue (startled reaction, irritability, nightmares, tension, etc.) to their causes through flashbacks of simulated action in a combat area. For medical personnel.

Borrow from Navy. *Buy from* NF.

Introduction to combat fatigue: Patient's version (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

30 min., sd., b&w, 16 mm.
Order no. MN 3428–a.
A version with leading titles which give instructions for screening is available for medical personnel (order no. MN 3428–b)
Summary: Analyzes fear and relates the symptoms of combat fatigue (startled reaction, irritability, nightmares, tension, etc.) to their causes through flashbacks of simulated action in a combat area.

Borrow from Navy. *Buy from* NF.

Introduction to disaster planning (*Motion picture*) U. S. Dept. of the Army, 1962.

18 min., sd., b&w, 16 mm.
Order no. TF 19–3149
Summary: Defines the requirements for disaster planning by Government and industry to counter the effects of natural or man-made catastrophes, and outlines the major factors to be considered in developing a disaster plan.

Borrow from Army.

Introduction to environmental engineering (*Motion picture*) U. S. Dept. of the Navy, 1962.

22 min., sd., color, 16 mm.
Order no. MN 9665
Summary: Discusses some of the important environmental engineering management areas and interrelates them in problem-solving approaches.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Introduction to fire behavior (*Motion picture*) U. S. Dept. of Agriculture, 1960.

16 min., si., color, 16 mm.
Summary: Uses animation and table top photography interspersed with actual fire scenes to show the basic fundamentals for combustion and the influences of fuel, weather, and topography on fire behavior. Emphasizes the many factors that make a fire burn the way it does and demonstrates how strategy can be planning from knowledge of this behavior.
Rent from DA film libraries. *Buy from* DA.

An introduction to Indo-China (*Filmstrip*) U. S. Public Health Service, 1951.

55 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. F 87.
Summary: Shows and explains the modern culture in large cities, native culture in rural areas, health problems, and malaria control and other health demonstrations used by an ECA mission in 1950.
Borrow from PHS.

Introduction to occupational therapy (*Motion picture*) U. S. Dept. of the Army, 1954.

20 min., sd., b&w, 16 mm.
Order no. PMF 5227.
Summary: Explains that occupational therapy is interest-motivated activity with a therapeutic purpose, prescribed by the physician to fit the individual physical or mental need of the patient. Gives various cases to illustrate the value and application of the principles of occupational therapy. For medical personnel.
Borrow from Army.

Introduction to optics (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.
17 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-a.
Summary: Uses animation and practical examples to illustrate the principles of light waves and rays; to show how light is refracted and reflected, and to explain image formation in relation to concave and convex lenses. Studies these principles as applied to optical instruments.
Borrow from Navy. *Buy from* NF.

Introduction to preventive maintenance (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 1)
Order no. OE 461.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Importance of preventive maintenance in truck operation; typical checks of the clutch pedal, battery, and voltage regulator.
Buy from NF.

Introduction to preventive maintenance (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
33 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 1)
Order no. OE 461–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Introduction to prolonged artificial ventilation (*Motion picture*) U. S. Dept. of the Army, 1962.
38 min., sd., color, 16 mm.
Order no. PMF 5348
Summary: Describes the fundamentals of intermittent positive pressure ventilation (IPV) used in the management of active poliomyelitis patients and stresses the advantages of IPPV over the iron lung method. Cover manual and mechanical IPPV techniques, spontaneous and mechanical control of ventilation, use of fixed-volume and fixed-pressure respirators, tracheotomy care, procedures used in weaning patients from artificial aspirants, and safe transportation of patients receiving artificial ventilation.
Borrow from Army. *Buy from* NF.

Introduction to psychological warfare (*Motion picture*) U. S. Dept. of the Army, 1956.
16 min., sd., color, 16 mm.
Order no. GF 33–27.
Summary: Using animation, discusses the military aspects of psychological warfare including oral and written persuasion directed at enemy soldiers in the combat zone; the use of political, cultural, and ethnic themes of exploitation behind the lines; measures directed at civilians in occupied areas; and the arming of U. S. soldiers against enemy psychological warfare.
Borrow from Army.

An introduction to radiation detection instruments (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.
17 min., sd., b&w, 16 mm.
Summary: Shows the reasons for the existence of radiation detection instruments, as well as the methods employed in their use, and describes several classes of instruments and their specific and general purposes. Produced under the supervision of the Armed Forces Special Weapons Project.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Introduction to respiratory and cardiac resuscitation (*Motion picture*) U. S. Dept. of the Army, 1962.
33 min., sd., color, 16 mm.
Order no. PMF 5349
Summary: Demonstrates various respiratory and cardiac resuscitation techniques on patients rendered unconscious by drugs. Illustrates mouth-to-mouth and mouth-to-nose resuscitation and shows the use of respiratory resuscitation equipment in the mouth-to-mask and mouth-to-airway techniques. Depicts cardiac resuscitation including closed-chest cardiac massage, ventricular fibrillation, and cardiac stimulation by means of injection.
Borrow from Army. *Buy from* NF.

Introduction to swimming pool sanitation (*Motion picture*) U. S. Public Health Service, 1959.
24 min., sd., color, 16 mm.
Order no. M 402.
Summary: An introductory lecture for courses in swimming-pool sanitation. For pool operators or environmental hygienists.
Borrow from PHS. *Buy from* NF.

Introduction to the fluorescent treponemal antibody test (*Motion picture*) U. S. Public Health Service, 1959.
9 min., sd., color, 16 mm.
Order no. M 338.
Summary: Describes the preparation of treponemal antibody antigen, the technique of staining with fluorescent material, reactions obtained by means of ultraviolet light microscope assembly, and the method used in the preparation of tagged globulin and its chemical purification.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Introduction to the insects and their allies (*Filmstrip*) U. S. Public Health Service, 1959.
65 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F–340.
Summary: Shows structural relationships and phylogeny of principal classes of arthropods leading up to Insecta and Arachnida; describes the main orders of these two classes, their relationships, and their importance in medical and public health.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Introduction to underwater sound (*Motion picture*) U. S. Dept. of the Navy, 1959.
19 min., sd., b&w, 16 mm.
Order no. MN–8857.
Summary: Demonstrates the basic principles of underwater sound by means of art, animation, and sound effects. Explains why a knowledge of these principles is essential to an understanding of sonar.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Introduction to valves (*Filmstrip*) U. S. Navy Dept., 1944. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
77 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Hydraulic valves)
Order no. SN 1800–a.
Summary: Traces the history and evolution of hydraulic valves. Explains the purposes of valves and defines simple and compound types.
Borrow from Navy.

An introduction to vectors: Coplanar concurrent forces (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
22 min., sd., b&w, 16 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE 361.
Supplemented by filmstrip with same title.
With instructor's manual.
Summary: Explains the meaning of scalar and vector quantities; how to add scalars and vectors; methods of vector composition and vector resolution; relationship between vector composition and vector resolution; and how vectors may be used to solve engineering problems.
Buy from NF.

An introduction to vectors: Coplanar concurrent forces (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
36 fr., b&w, 35 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE 361–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Invasion of Crete by the German Army (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

11 min., sd., b&w, 16 mm.

Order no. FB 20-16.

Summary: A German film, with English sound track, showing the preparations for and the invasion of Crete in 1941.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Invasion of southern France (*Motion picture*) U. S. Dept. of the Army, 1950.

19 min., sd., b&w, 16 mm. (Historical reports series)

Order no. HR-C-8.

Summary: Portrays the invasion of southern France by the 7th U. S. Army and its subsequent junction with the 3rd Army in northern France.

Borrow from Army. *Buy from* NF.

The investigating officer (*Motion picture*) U. S. Dept. of the Army, 1954.

48 min., sd., b&w, 16 m.

Order no. TF 15-1946.

Summary: Portrays the work done by an investigating officer conducting an investigation as the preparatory step to a possible court-martial, in compliance with Article 32 of the Uniform code of military justice. The story centers upon a private accused of stealing an Army pistol and covers preparations before the investigation, explanation of his rights to the accused, assignment of counsel to the accused, questioning of witnesses, cross-examination, and preparation of the investigator's report.

Borrow from Army.

Investigation of narcotics offenses (*Motion picture*) U. S. Dept. of the Army, 1958.

40 min., sd., b&w, 16 mm.

Order no. TF 19-2540.

Summary: Depicts a typical narcotics investigation conducted by military police criminal investigators. Discusses the symptoms of drug addiction; techniques and procedures related to the discovery, apprehension, and search of offenders; the importance of apprehending the source of supply in narcotics investigations; and emphasizes the necessity for maintaining close liaison with representatives of the Federal Bureau of Narcotics and local police to insure effectiveness of investigative activities.

Borrow from Army.

Investigations of dynamic stability and controllability in the Langley free-flight tunnel (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

20 min., si., b&w, 16 mm.

Order no. TF 17.

Revision of 1945 film with the same title.

Summary: Illustrates the effects of some of the principal design factors on the dynamic lateral and longitudinal stability of airplanes. Shows the NACA 12-foot open-return closed-throat tunnel, housed in a metal sphere, and the operating technique, and includes motion-picture records of actual flight tests. For technical personnel, to be used with NACA Technical note 810: Preliminary stability and control tests in the NACA free-flight wind tunnel and correlation with full-scale flight tests, and with NACA Wartime report L-487: Free-flight tunnel investigation of the effect of the fuselage length and the aspect ratio and the size of the vertical tail on lateral stability and control.

Borrow from NASA.

An investment in human welfare (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Unifilms.

22 min., sd., color, 16 mm.

Summary: Explains the contributions made by handicapped persons to the nation's economy; shows many different handicapped workers performing useful jobs; and describes the rehabilitation processes by which they are prepared for their jobs.

Borrow from OVR. *Cleared for tv.*

The invisible battleground (*Motion picture*) U. S. Dept. of the Army, 1962.

31 min., sd., color, 16 mm.

Order no. MF 11-9416

Summary: Explains the problem of radio frequency interference with military signal communications. Describes activities of the Army at the Electronic Environmental Test Facility (EETF) at Fort Huachuca, Arizona, to insure command control of military forces on the battlefield.

Borrow from Army. *Buy from* NF.

Invitation to India (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

15 min., sd., color, 16 mm.

Summary: A film record of Mrs. John F. Kennedy's trip to India with her sister, Princess Radziwill, in March 1962. Sequences include tours of the Taj Mahal and Jaipur.

Buy from NF.

Invitation to Pakistan (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

15 min., sd., color, 16 mm.

Summary: A film record of Mrs. John F. Kennedy's trip to Pakistan with her sister, Princess Radziwill in March 1962. Sequences include the cities of Karachi and Lahore and tours of Khyber Pass and Shalimar Gardens.

Buy from NF.

Iodine-131 (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

15 min., sd., color, 16 mm.

Summary: Shows the diagnostic and therapeutic uses of the radioisotope I-131 for hyperthyroidism, thyroid cancer, and heart disease. Discusses the characteristics, techniques, and results, as well as the problems of standardization and calibration of scanning devices for I-131, probably the most-used isotope in the field of medicine.

Borrow from AEC. Buy from Byron. Cleared for tv.

Ionizing radiation in humans (*Motion picture*) U. S. Atomic Energy Commission, 1958.

15 min., sd., color, 16 mm.

Summary: Shows the design and operation of the Argonne National Laboratory's whole-body counter for determining identification, quantity, and location of internally deposited radio-elements. Includes demonstrations of various techniques in accumulation of data and collimating the crystal.

Borrow from AEC. Buy from Byron. Cleared for tv.

Irrigating the electric way (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

65 double fr., color, 35 mm.

Order no. C-38.

Summary: Explains the importance of water on the farm and of irrigation to supplement rainfall, and the ways in which electricity can be used in irrigation practices.

Buy from PhotoLab.

Irrigation, lifeblood of the West (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

56 fr., b&w, 35 mm.

Order no. 680.

With lecture notes.

Summary: Traces the history and development of agriculture in the West, and shows how arid and semiarid land has been made into productive farms.

Buy from PhotoLab.

Irrigation practices (*Motion picture*) University of Nebraska and U. S. Bureau of Reclamation, 1957. Made by University of Nebraska.

28 min., sd., color, 16 mm.

Summary: Explains and demonstrates various practices to be used in irrigating field crops, including designing an irrigation system for a specific farm, using the correct equipment, pumping the needed amount of water, regulating the stream size into furrows, and applying enough water to fill the root zone.

Borrow from BR.

Irrigue a terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Portuguese version of Water on the land.

Summary: Explains the values of irrigation in farming and demonstrates some simple irrigation methods.

Buy from NF. *Cleared for tv.*

Is farming for me? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

54 fr., b&w, 35 mm.

Order no. 664.

With lecture notes.

Summary: Explains aspects of farming and farm life, and directs veterans and other prospective farmers to sources of information.

Buy from PhotoLab.

Is research your job? Careers in human nutrition and home economics (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

30 double fr., color, 35 mm.

Order no. C–37.

With lecture notes.

Summary: Describes research activities and experiments in home economics and nutrition being carried on at the U. S. Agricultural Research Center, Beltsville, Md., and the background and qualifications of those engaged in this research.

Buy from PhotoLab.

Is your watershed safe? (*Motion picture*) U. S. Dept. of Agriculture, 1956.

6 min., sd., b&w, 16 mm.

Summary: Presents a demonstration of what a watershed is and how it works. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Isolation and identification of beta hemolytic streptococci (*Filmstrip*) U. S. Public Health Service, 1957.

94 fr., color, 35 mm.

Order no. F 172.

Summary: Shows the preparation of blood agar pour plates; procedures for isolating samples from swabs; identification of the organisms; and procedures for isolating samples from Loeffler slants.

Borrow from PHS. *Buy from* NF.

Isolation and identification of Salmonella and Shigella cultures series

see

Simplified serologic identification of Salmonella cultures

Simplified serologic identification of Shigella cultures

Isotopes (*Motion picture*) U. S. Atomic Energy Commission, 1959.

20 min., sd., color, 16 mm.

Summary: Describes the production of stable isotopes and radioisotopes and the separation of fission products. Explains radioactivity, half life, and the three methods of producing radioisotopes. Uses live photography and animation to tell the story of radioisotopes production at the Oak Ridge National Laboratory (ORNL)

Borrow from AEC. Buy from Capital.

It must never happen again (*Motion picture*) U. S. Army Engineers, 1951.

23 min., sd., b&w, 16 mm.

Summary: Shows and describes the 1951 floods in Kansas and Missouri, and indicates the loss of life and damage to property.

Borrow from Eng. *Cleared for tv.*

Italy (*Motion picture*) U. S. Dept. of Defense, 1951.

10 min., sd., b&w, 16 mm.

On reel with Air Force firepower.

Order no. AFSR 133.

Summary: A brief description of Italy during the Roman Empire and at the present time (1951)

Borrow from Army. *Buy from* NF. *Cleared for tv.*

It's a peach (*Motion picture*) U. S. Dept. of Agriculture, 1952.

6 min., sd., color or b & w, 16 mm. (Consumer education shorts)

Summary: Explains the selection, care, and uses of peaches. Produced especially for use on television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

It's a snap (*Motion picture*) U. S. Dept. of Agriculture, 1952.

6 min., sd., color or b & w, 16 mm. (Consumer education shorts)

Summary: Explains the selection, care, and uses of beans. Produced especially for use on television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

It's carving time (*Motion picture*) U. S. Dept. of Agriculture, 1956.

5 min., sd., color, 16 mm.

Summary: Explains the new and easy way of "side carving" a turkey: turn the turkey on its side, remove the wings and legs, and slice the meat.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

It's no picnic (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Northeastern States, 1948.

28 min., sd., color or b & w, 16 mm.

Summary: Dramatized story of a family picnic and of the father's failure to take one precaution—that of stamping out his pipe ashes. Volunteer fire fighters bring the fire under control and the father, apprehended by the fire warden, is fined for his carelessness.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

It's the farmers' business (*Motion picture*) U. S. Dept. of Agriculture, 1962.

14 min., sd., color, 16 mm.

Summary: Describes farmer cooperatives which benefit home communities and consumers with new jobs, increased services, better business, and quality products produced at lower costs.

Borrow from DA. Buy from DA-MPS. Cleared for tv.

It's the Maine sardine (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with Maine Sardine Packers Assn., 1949. Made by Sun Dial Films.

18 min., sd., color, 16 mm.

Summary: Portrays the sardine industry in Maine, showing steps in the processing and packing of sardines.

Borrow from FWS. *Cleared for tv. Prior authorization required.*

It's up to you (*Motion picture*) U. S. Dept. of Agriculture, 1950.

3 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 1, no. 2)

Summary: Smokey Bear makes a direct appeal to everyone for help in preventing forest fires.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

It's up to you (*Motion picture*) U. S. Dept. of the Air Force, 1956.

45 min., sd., color, 16 mm.

Order no. SFP 350.

Summary: Explains the advantages of an Air Force career through a dramatized story of a young aircraft mechanic who decides to reenlist.

Borrow from AF. *Cleared for tv.*

It's up to you (*Motion picture*) U. S. Dept. of the Army, 1955.

32 min., sd., b&w, 16 mm.

Order no. TF 8-2125.

Summary: Explains to new soldiers that adjustment to military environment often creates emotional problems in the form of anxiety, fear, anger, insecurity, and similar reactions, and emphasizes that these feelings are quite common and can be handled by understanding their basis. Depicts three typical adjustment cases.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

It's your decision (*Motion picture*) U. S. Dept. of the Air Force, 1956.

32 min., sd., color, 16 mm.

Order no. SFP 368.

Summary: Through animation explains the Armed Forces industrial defense program; responsibilities of military, civil, and industrial authorities in the event of attack; and steps which every plant should take to minimize damage and restore production.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

It's your future (*Motion picture*) U. S. Dept. of the Army, 1953.

15 min., sd., b&w, 16 mm.

Order no. MF 12-8151.

Summary: Portrays a sergeant explaining why he feels the U. S. Army offers young men opportunity, security, and a satisfying career. A recruiting film to encourage re-enlistment.

Borrow from Army. Cleared for tv.

J

Jacqueline Kennedy's Asian journey (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

30 min., sd., color, 16 mm.

Summary: A film record of Mrs. John F. Kennedy's trip to India and Pakistan with her sister, Princess Radziwill, in March 1962. Sequences include tours of the Taj Mahal, Jaipur, Khyber Pass, and the Shalimar Gardens.

Buy from NF.

Japan and the UN: What is the UN? (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1952.

22 min., sd., b&w, 16 mm.

Summary: Dramatized story of a young Japanese student in the United States who writes to his parents in Japan telling them about the United Nations and comparing the United Nations treatment of world problems with the solution of individual problems in a country village in Japan. Prepared for use in occupied areas, particularly in Japan.

Buy from NF. Cleared for tv. Prior authorization required.

Japan logistical command (*Motion picture*) U. S. Dept. of Defense, 1952.

22 min., sd., b&w, 16 mm.

Order no. RTAF 142.

Summary: Portrays some of the logistical operations of the U. S. Army organization in Japan that supports the occupation troops in Japan and the forces in Korea, including the salvage of World War II equipment, processing of replacement troops, hydroponic farming of vegetables, and port operations.

Borrow from Army. Buy from NF. Cleared for tv.

The Japanese beetle (*Motion picture*) U. S. Dept. of Agriculture, 1957.

13 min., sd., color, 16 mm.

Summary: Reviews the history of the Japanese beetle, a ravager of farm, field, and fruit crops; illustrates its life cycle and habits; and shows Federal and State control programs for combatting this insect.

Rent from DA Film Libraries. *Buy from NF. Cleared for tv.*

Japanese Diet members observe U. S. Government in action (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., b&w, 16 mm.

Summary: Shows how some members of the Japanese Diet on a tour of Washington observed the U. S. Government and studied in detail the work of the Dept. of Agriculture. Prepared for use in occupied areas, particularly in Japan.

Buy from NF. Cleared for tv. Prior authorization required.

Japanese Diet members visit an American legislature (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.

18 min., sd., b&w, 16 mm.

Summary: Records the visit of some members of the Japanese Diet to the New York State Legislature in 1950. Produced for use in occupied areas, particularly in Japan.

Buy from NF. Cleared for tv. Prior authorization required.

Japanese relocation (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

10 min., sd., b&w, 16 mm.

Summary: How 100,000 Japanese were moved in 1942 from the Pacific coast and relocated in settlements in Arizona, Colorado, and Wyoming.

Buy from NF.

Japanese trade fair (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

10 min., sd., b&w, 16 mm.

Summary: Pictorial record of a Japanese trade fair held in Seattle in 1951. Shows various articles which Japan is now producing for export. Produced for use in occupied areas, particularly in Japan.

Buy from NF. Cleared for tv. Prior authorization required.

Japanese women leaders visit the U. S. (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

Summary: Records a visit by some Japanese women to Columbus, Ohio, in 1950 and explains their learning about the Agricultural Extension Service. Produced for use in occupied areas, particularly in Japan.

Buy from NF.

Java (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

90 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
(Theatres of war series. Pacific area; Netherlands East Indies)

Order no. SN 1538-n.

Summary: Explains Javanese living conditions, temperament, superstitions, clothing; size and population of several large cities; effects of Dutch colonization; and means of dealing with the Malays.

Borrow from Navy. Buy from NF.

Jet fighter gunnery. Part 1: Air to ground (*Motion picture*) U. S. Dept. of the Air Force, 1954.

25 min., sd., color, 16 mm.

Order no. TF 1-4982.

Summary: Explains the elements of gunnery in jet aircraft, including low angle bombing, low angle strafing, high angle bombing, and rocket firing.

Borrow from AF. Buy from NF. Cleared for tv.

Jet fighter gunnery. Part 2: Air to air (*Motion picture*) U. S. Dept. of the Air Force, 1954.

27 min., sd., color, 16 mm.

Order no. TF 1-4982.

Summary: Explains standard tow target, scoring of the target, curve of pursuit with one jet and with four jets, and traffic safety laws. Covers air gunnery theories and principles.

Borrow from AF. Buy from NF. Cleared for tv.

Jet flight planning (*Motion picture*) U. S. Dept. of the Air Force, 1957.

15 min., sd., b&w, 16 mm.

Order no. TF 1-5113.

Summary: Explains the importance of and the means used in U. S. Air Force jet flight planning training, including big wall map, radio facility chart, NOTAMS (notice to airmen), Phacus (pilots handbook, continental U. S.), weather, maps and logs, weather forecaster, and dispatcher.

Borrow from AF. Buy from NF. Cleared for tv.

Jet test (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Audio Productions.
14 min., sd., b&w, 16 mm.
Order no. SFP 266.
Summary: Shows various test flights of the F-86 jet fighter made by test pilots before the U. S. Air Force accepted it for operational use. Includes scenes of climbing, diving, and spinning.
Borrow from AF. *Cleared for tv.*

Jets aboard: Operation of jet aircraft aboard carriers (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.
23 min., sd., b&w, 16 mm.
Order no. MN 5395-b.
Summary: Describes six factors in flight deck handling of jet aircraft: rolling planes without rocking; securing parked jets against wind and weather; assistance in taxiing jets; catapulting jets in pairs; helping jets land almost nose to tail; and servicing jet planes to maximum capacity.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The job breakdown (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (On-the-job supervision series, no. 3)
Order no. SFS 80-4.
Summary: Explains three steps in making a job breakdown: identifying the job, listing the important steps, and determining key points.
Borrow from Army. *Buy from* NF.

A job for you in agricultural journalism (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
50 double fr., color, 35 mm.
Order no. C-60.
With lecture notes.
Summary: Explains the educational requirements and career opportunities in agricultural communications.
Buy from PhotoLab.

John J. Pershing (*Motion picture*) U. S. Dept. of Defense, 1960.
21 min., sd., b&w, 16 mm.
Order no. AFSM 579.
Summary: Covers highlights in the life of General Pershing from his birth in 1860 until his death in 1948, including scenes of his student days at West Point, the campaigns against the Indians, the Spanish-American War, the Mexican War, and later World War I.
Borrow from Army. *Cleared for tv.*

Joining solid conductors (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 1))
Order no. OE 369.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to make a Western Union, pigtail, plain tap, "wrapped tap" or Britannia, loop tap, and fixture joints; use a blowtorch; flux and solder joints; and insulate joints.
Buy from NF.

Joining solid conductors (*Filmstrip*) U. S. Office of Education, 1945. Produced by Ray-Bell Films.
39 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 1))
Order no. OE 369-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Jointing an edge for gluing: Installing knives (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
21 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 4)
Order no. OE 305.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to determine when knives are dull; remove dull knives; install sharp knives on the cutter head and adjust them for proper cutting; straighten crooked stock; and join edges for gluing.
Buy from NF.

Jointing an edge for gluing: Installing knives (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
54 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 4)
Order no. OE 305-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Jointing an edge for gluing: installing knives
see also
Dégauchissage d'un champ pour le collage: Installation des couteaux

Jointing edges and ends 90 degrees to face (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 1)
Order no. OE 302.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Functions and operation of the jointer; how to identify surfaces of a piece of stock; joint a square edge to size; and joint a piece of glued stock to size.
Buy from NF.

Jointing edges and ends 90 degrees to face (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
62 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 1)
Order no. OE 302-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Jointing edges and ends 90 degrees to face
see also
Dégauchissage des champs et extrémités d'équerre avec la face

Journey back (*Motion picture*) U. S. Veterans Administration, 1949.
20 min., sd., b&w, 16 mm.
Summary: Dramatized story of the rehabilitation of a hemiplegic patient, demonstrating the work of physical occupational, recreational, and speech therapists and their contribution to the recovery of the patient.
Borrow from VA. *Buy from* NF. *Cleared for tv.*

Journey into medicine (*Motion picture*) U. S. Dept. of State, 1947. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education and U. S. Public Health Service, 1949.
39 min., sd., b&w, 16 mm.
Summary: Dramatized story of a doctor's "journey into medicine"—his studies in medical school, graduation, internship, further study in pediatrics, and his decision to specialize in public health. Prepared for overseas use.
Borrow from PHS. *Buy from* NF.

Journey to reality (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
30 min., sd., b&w, 16 mm.
Order no. PMF 5116-c.
Summary: Portrays through dramatized sequences six patients with typical psychotic reactions entering a hospital; reviews the case histories and outlines appropriate occupational therapy for each patient. Emphasizes the medical officer's responsibility for prescribing and providing occupational therapy.
Borrow from Army.

Juiced for you (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color or b & w, 16 mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of grapefruit. Produced especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

June week (*Motion picture*) U. S. Dept. of the Air Force, 1960.
25 min., sd., color, 16 mm.
Order no. SFP 693.
Summary: Portrays events of the U. S. Air Force Academy's first graduation week. Shows some highlights of the cadets' four years of training and describes the training given. Closes with the graduation exercises when 207 cadets receive diplomas and commissions as second lieutenants in the U. S. Air Force.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Jungle quest for the great stone heads (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
27 min., sd., color, 16 mm.
Summary: Record of an archeological expedition made by the National Geographic Society and the Smithsonian Institution in the state of Vera Cruz. Shows the art and skill developed in Mexico 1900 years ago.
Buy from NF.

Jungle survival (*Motion picture*) U. S. Dept. of the Air Force, 1958.
36 min., sd., color, 16 mm.
Order no. TF 1-5111.
Summary: Shows various types of jungles and describes characteristics of rain and cloud forests, savannas, and swamps; and demonstrates rules to be followed for jungle survival.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Junior achievement (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Murphy Lillis. Released for public educational use through U. S. Office of Education, 1949.
11 min., sd., b&w, 16 mm.
Summary: Explains how local businessmen in the United States sponsor projects enabling high-school students to start and operate small businesses, from which they can earn money and learn about business methods. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Junior chamber of commerce (*Motion picture*) U. S. Dept. of State, 1951. Made by Knickerbocker Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.
19 min., sd., b&w, 16 mm.
Summary: Story of the organization of a junior chamber of commerce in an American town and its work in planning and executing projects for the welfare and betterment of the community. Prepared for overseas use.
Buy from NF.

Junior college for technical trades (*Motion picture*) U. S. Dept. of State, 1950. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
Summary: The Los Angeles Trade and Technical College, formerly the Frank Wiggins Trade School—its origin, purpose, vocational courses, and relationship to the industrial needs of Los Angeles. Prepared for overseas use.
Buy from NF.

Junior ranger (*Motion picture*) U. S. Dept. of Agriculture, 1958.
20 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 4)
Summary: An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
Rent from DA film libraries. *Cleared for tv.*

Just for the fun of it (*Motion picture*) U. S. Army Engineers, 1959.
27 min., sd., color, 16 mm.
Summary: Shows recreational areas at lakes operated by the Corps of Engineers in the southeastern part of the United States which are being used for outdoor recreation, especially water-sport activities. Emphasizes the need for observing safety rules when participating in water sports.
Borrow from Eng. *Cleared for tv.*

K

KMAG and the ROK soldier (*Motion picture*) U. S. Dept. of the Army, 1954.
28 min., sd., b&w, 16 mm.
Order no. MF 20-7949.
Summary: Explains the purposes, functions, and operations of KMAG (Korean Military Advisory Group) composed of U. S. Army officers, and follows the training by KMAG of a lieutenant in the Army of the Republic of Korea.
Borrow from Army.

Kapaun Retreat House (*Motion picture*) U. S. Dept. of the Army, 1957.
16 min., sd., b&w, 16 mm.
Order no. MF 16-8707.
Summary: Portrays the religious activities and services for military personnel at Kapaun Retreat House in Ōiso, Japan, founded in memory of Chaplain Emil J. Kapaun who lost his life in Korea.
Borrow from Army.

Keep 'em rolling (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
3 min., sd., b&w, 16 mm.
Summary: A wartime song sung against a background of scenes in war production plants.
Buy from NF.

Keep 'em running (*Motion picture*) U. S. Army Engineers, 1953.
14 min., sd., color, 16 mm.
Summary: Explains the industrial engine standardization project being carried on by the Corps of Engineers with engine and engine parts manufacturers, including reduction in the number of parts used to maufacture an engine from 1187 noninterchangeable parts to a family of 59 standardized parts.
Borrow from Eng. *Cleared for tv.*

Keep on learning (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFIF 98.
Summary: Describes the voluntary study program for members of the Armed Forces, including the services of educational counselors, classroom instruction, correspondence courses, telecourses, the test system, and accreditation services.
Borrow from Army. *Cleared for tv.*

Keeping informed (*Motion picture*) U. S. Dept. of Defense, 1962.
20 min., sd., b&w, 16 mm.
Order no. AFIF 112
Summary: Describes the origin, development, and uses of communications media in keeping the Armed Forces informed of their role in attaining the Nation's objectives. Reviews the contributions of newspapers, magazines, motion pictures, and radio and television broadcasts.
Borrow from Army. *Cleared for tv.*

Keeping your car fit (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 3)
Order no. OE 488.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Why a weekly checkup is necessary; tires should be crisscrossed; cars lubricated regularly; the oil filter element replaced; and the cooling system inspected periodically.
Buy from NF.

Keeping your car fit (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
33 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 3)
Order no. OE 488–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Keilland forceps for transverse and posterior positions (*Motion picture*) U. S. Dept. of the Army, 1963.
47 min., sd., color, 16 mm. (Forceps deliveries, no. 5)
Order no. PMF 5361
Summary: A clinical demonstration of the uses and applications of the Keilland forceps for deliveries involving transverse and posterior positions, covering introduction and insertion of blades, rotation, traction, and maneuvers. Stresses the advantages of the Keilland forceps for transverse and posterior position deliveries.
Borrow from Army. *Buy from* NF.

Kentucky Dam (*Motion picture*) U. S. Tennessee Valley Authority, 1948. Made by Sam Orleans Associates.
21 min., sd., color, 16 mm.
Summary: Record of engineering processes used in construction of Kentucky Dam across the Tennessee River, 1938–45. Primarily for technical use.
Borrow from TVA. *Buy from* TVA. *Cleared for tv.*

Key to the emerald empire (*Motion picture*) U. S. Army Engineers, 1956.
28 min., sd., color, 16 mm.
Summary: Describes the building of Lookout Point and Dexter Dams on the Middle Fork Willamette River in Oregon, and explains the many uses of this engineering project.
Borrow from Eng. *Cleared for tv.*

Key to the future (*Motion picture*) U. S. Bureau of Reclamation, 1960.
32 min., sd., color, 16 mm.
Summary: Tells the story of the Colorado River storage project, explaining how it will control and put to use the resources of the upper Colorado River in Utah, Colorado, New Mexico, and Wyoming.
Borrow from BR. *Buy from* CFI. *Cleared for tv.*

Kids must eat (*Motion picture*) U. S. Dept. of Agriculture, 1945. Made by Wilding Pictures.
17 min., sd., b&w, 16 mm.
Summary: The "Quiz Kids," of radio fame, discuss the community school lunch program.
Rent from DA Film Libraries. *Buy from* NF.

Kill the louse (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Summary: Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.
Buy from NF. *Cleared for tv.*

Kill the louse
see also
Guerra ao piolho
El tifo

Kinda give it your personal attention (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
67 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (On-the-job supervision series, no. 6)
Order no. SFS 80–7.
Summary: Discusses the power of suggestion and the value of personal attention to improvements on the job. Explains how new methods may increase production and efficiency.
Borrow from Army. *Buy from* NF.

Kinetic experiment on water boilers (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Atomics International.
15 min., sd., color, 16 mm.
Summary: Discusses an AEC-sponsored study of the dynamic behavior of the homogeneous solution-type nuclear reactor, demonstrating the inherent safety characteristics of aqueous homogeneous reactors in the event of an unforeseen release of large amounts of reactivity.
Borrow from AEC. Buy from Byron. Cleared for tv.

Kitchen habits (*Motion picture*) U. S. Public Health Service, 1954.
12 min., sd., color, 16 mm. (Food handling series)
Order no. M 148–g.
Summary: Shows, under actual operating conditions in a kitchen, the importance of developing good habits relating to food sanitation; stresses individual awareness of personal responsibility and effective supervision to develop these habits.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Know for sure (*Motion picture*) U. S. Public Health Service, 1942. Made by the Research Council of the Academy of Motion Picture Arts and Sciences.
20 min., sd., b&w, 16 mm.
Summary: Dramatized story of an immigrant storekeeper whose first child is born dead because of syphilis and who learns, from his doctor, of the sources of infection, early symptoms, clinical treatment, and prevention of syphilis.
Borrow from PHS.

Know the eggs you buy (*Motion picture*) U. S. Dept. of Agriculture, 1954.
5 min., sd., b&w, 16 mm.
Summary: Shows the candling, sorting, and labeling of eggs, the meaning of grade labels, and the uses for different grades of eggs.
Rent from DA film libraries. *Cleared for tv.*

Know your Air Rescue Service (*Motion picture*) U. S. Dept. of the Air Force, 1954.
31 min., sd., b&w, 16 mm.
Order no. TF 1–4968.
Summary: Illustrates four phases of rescue operations—notification, search, aid, and rescue—and explains the work of the U. S. Air Rescue Service.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Know your car (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 1)
Order no. OE 486.
Supplemented by filmstrip with the same title.
With instructor's manual.
Summary: Construction of a car chassis; how the engine functions; operations of the clutch, transmission, rear axle, brakes, and electrical and cooling systems.
Buy from NF.

Know your car (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
38 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 1)
Order no. OE 486–fs.
Supplements motion picture with the same title.
With instructor's manual.
Buy from NF.

Know your land (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
45 double fr., color, 35 mm.
Order no. C-8.
Summary: Explains a method of classifying land that will indicate the best use and treatment of various areas of a farm.
Buy from PhotoLab.

The Korea story (*Motion picture*) U. S. Information Agency, 1953. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1954.
20 min., sd., b&w, 16 mm.
Summary: Describes the factors preceeding the Korean War, attempts to unify North and South Korea, the invasion south of the 38th parallel in June 1950, the UN Security Council decision to halt the aggression, and the war from the invasion to truce talks. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Korea today (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm.
Order no. AFSR 94.
Summary: Portrays the status of Korea in 1948, showing the progress made in rehabilitation of the country under the leadership of the United States.
Borrow from Army. *Buy from* NF.

Korean armistice (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Order no. AFIF 96.
Summary: Describes the workings of the Korean armistice agreement and what it requires of the United States to maintain it, with particular emphasis upon the organization and responsibilities of the United Nations Command Military Armistice Commission.
Borrow from Army.

Korean cease fire talks (*Motion picture*) U. S. Dept. of Defense, 1951.
18 min., sd., b&w, 16 mm.
Order no. CB 112.
Summary: Military operations in Korea from June 20 to July 20 1951.
Borrow from Army. *Buy from* NF.

L

L. T. A. history: Balloons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Metro-Goldwyn-Mayer. Released for public educational use through U. S. Office of Education, 1948.
27 min., sd., b&w, 16 mm.
Order no. MN 2722-a.
Summary: Traces the history of balloon experimentation covering problems, development, and outstanding men, and modern uses of balloons.
Borrow from Navy. *Buy from* NF.

Labor efficiency on the farm (*Filmstrip*) U. S. Dept. of Agriculture, 1943.
48 fr., b&w, 35 mm.
Order no. 630.
With lecture notes.
Summary: Gives suggestions for the planning of work on the farm in order to make work lighter, save time, and handle hired labor more efficiently.
Buy from PhotoLab.

Laboratory diagnosis of diphtheria series
see
Determination of types of C. diphtheriae
Microscopic study and isolation of C. diphtheriae

The laboratory diagnosis of influenza
see
Techniques of laboratory diagnosis of influenza

Laboratory diagnosis of rabies (*Motion picture*) U. S. Public Health Service, 1950.
6 min., sd., b&w, 16 mm.
Order no. 4-111.
Filmstrip with same title, covering same subject matter, also available.
Summary: Explains the procedure of removing the dog's brain, exposing Ammon's horn, staining and examining under a microscope a smear and an impression from Ammon's horn, and making the mouse inoculation test.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Laboratory diagnosis of rabies in animals (*Motion picture*) U. S. Public Health Service, 1961.
30 min., sd., color, 16 mm.
Order no. M 478.
Revised version of the 1950 motion picture entitled Laboratory diagnosis of rabies.
Summary: Demonstrates the latest laboratory techniques for examination of animals in the diagnosis of rabies. Shows the preparation of brain impressions, the inoculation of animals, the serum neutralization test, and the fluorescent antibody test.
Borrow from PHS. *Buy from* NF.

Laboratory diagnosis of ringworm in animals. Part 1: Microsporum infections (*Filmstrip*) U. S. Public Health Service, 1957.
47 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 221.
Summary: Describes the clinical features of microsporum ringworm in animals, methods of examining the animals with the Wood's light, collection of specimens for laboratory study, examination of the clinical materials, inoculation of culture media, and identification of the two important microsporum species, *M. canis* and *M. gypseum*. Illustrates the mode of transmission of infection from animal to man and the appearance of human microsporum infections of animal origin.
Borrow from PHS. *Buy from* NF.

Laboratory diagnosis of ringworm in animals. Part 2: Trichophyton infections (*Filmstrip*) U. S. Public Health Service, 1957.
60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 221-a.
Summary: Describes the clinical features of trichphyton ringworm in animals, methods of collecting material for laboratory study, and laboratory methods for examining clinical materials, inoculating culture media, and identifying trichophyton species. Illustrates the mode of transmission of infections from animals to man and the appearance of human trichophyton infections of animal origin.
Borrow from PHS. *Buy from* NF.

The laboratory diagnosis of schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1946.
67 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.
Order no. 5-041.
Summary: Emphasizes the serious nature of schistosomiasis and the importance of early diagnosis; and explains the methods of diagnosis with primary emphasis upon *Schistosoma japonicum* and *Schistosoma mansoni*.
Borrow from PHS.

Laboratory diagnosis of tinea capitis in children: Microsporum infections (*Filmstrip*) U. S. Public Health Service, 1950.
65 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5-127.
With utilization guide.
Summary: Explains the clinical signs of tinea capitis in children, the means of demonstrating the mycotic nature of such infections, procedures for isolating the etiologic agents involved, and their macroscopic and microscopic details.
Borrow from PHS. *Buy from* NF.

Laboratory diagnosis of Trichophyton infections. Part 1: Ectothrix infections of the beard and scalp (*Filmstrip*) U. S. Public Health Service, 1952.
77 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. F 94–a.
Summary: Explains the procedures for the diagnosis of ectothrix ringworm of the beard and scalp caused by *Trichophyton mentagrophytes* and *Trichophyton faviforme.*
Borrow from PHS.

Laboratory diagnosis of Trichophyton infections. Part 2: Endothrix infections of the scalp (*Filmstrip*) U. S. Public Health Service, 1952.
58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 94–b.
Summary: Explains the procedures for the diagnosis of endothrix ringworm of the scalp caused by *Trichophyton tonsurans* and *Trichophyton violaceum.*
Borrow from PHS.

Laboratory diagnosis of tuberculosis series
see
Preparation of a culture medium
Preparation of sputum specimens
Typing of tubercle bacilli by animal inoculation

Laboratory indentification of systemic fungi series
see
Blastomyces dermatitidis
Coccidioides immitis

Laboratory technique for darkfield microscopy (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education.
16 min., sd., b&w, 16 mm.
Order no. FN 7468.
Summary: Explains the theory of darkfield microscopy, the preparation of slides, and the use of a darkfield microscope. Designed for use by laboratory technicians.
Borrow from Navy. *Buy from* NF.

Lake carrier (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
Summary: How iron ore is transported from the Mesabi ranges of Minnesota across the Great Lakes to the steel mills of Gary, Pittsburgh, and Youngstown.
Buy from NF.

The land and the Book (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
99 fr., color, 35 mm.
Order no. C-22.
With lecture notes.
Summary: Pictures related to Biblical quotations pertaining to land and soil conservation. Prepared for use in churches.
Buy from PhotoLab.

The land changes (*Motion picture*) U. S. Dept. of Agriculture, 1957.
15 min., sd., color, 16 mm.
Summary: Shows how land was acquired for national forest purposes in the Shawnee, Hoosier, and Wayne National Forests in the Ohio Valley and how such land was improved by reforestation, protection, and proper management.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Land clearing operations (*Motion picture*) U. S. Army Engineers, 1954.
18 min., sd., color, 16 mm.
Summary: Shows new and unusual methods of land clearing, the use of machinery and methods that have not become standard procedures, and clearing work on levees and reservoirs.
Borrow from Eng. *Cleared for tv.*

The land must eat (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Summary: Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.
Buy from NF. *Cleared for tv.*

The land must eat
see also
Como cuidar da terra
Hay que alimentar la tierra

Land the landing force: The history of marine amphibious operations (*Motion picture*) U. S. Dept. of the Navy, 1960.
28 min., sd., color, 16 mm.
Order no. FH–8938.
Summary: Reviews the history of marine amphibious operations, showing the development of amphibious doctrine and its eventual employment in connection with vertical assault.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Landbased helicopter operations: Functions (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.
10 min., sd., b&w, 16 mm.
Order no. MN 7411–a.
Summary: Shows to helicopter pilots the many duties which they will be expected to perform in landbased helicopter operations, and points out the versatility of the helicopter.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Landbased helicopter operations: Precautions (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.
11 min., sd., b&w, 16 mm.
Order no. MN 7411–b.
Summary: Stresses the need for pilot alertness in helicopter operation, and demonstrates night and rough-terrain operations.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

La Paz (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
Summary: A film journey through the Bolivian city of La Paz. Contrasts the old and new ways of living in Latin America.
Buy from NF.

A large water treatment plant (*Filmstrip*) U. S. Public Health Service, 1954.
84 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 165.
Summary: Shows the equipment in a large modern water treatment plant, including raw water and in-take facilities and structures; chemical treatment, coagulation, and settling devices; filters; chlorinators; and corrosion control equipment. For sanitarians and engineers.
Borrow from PHS. *Buy from* NF.

The last bomb (*Motion picture*) U. S. Dept. of the Air Force, 1947.
35 min., sd., b&w, 16 mm.
Order no. SFP 193.
Summary: Film record of the bombing of Japan by B-29 airplanes and the dropping of the first atomic bomb on Japan.
Borrow from AF. *Cleared for tv.*

The lathe (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)
Order no. OE 68.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Functions, characteristics, and basic operations of the engine lathe.
Buy from NF.

The lathe (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
91 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1-4.
Summary: Explains the nomenclature, practical uses, and operation of the lathe.
Borrow from AF. Buy from NF.

The lathe (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
49 fr., b&w, 35 mm. (Machine shop work series. Basic machines)
Order no. OE 68-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The lathe
see also
El torno

Latin America (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 113.
Summary: Describes the geographical, economic, and political factors that influence the lives of the people of Latin American countries. Explains the role of the United States in the development of these nations and the communist approach to Latin America. Concludes with a statement by President John F. Kennedy.
Borrow from Army. Buy from NF. Cleared for tv.

Latitude by Polaris (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
10 min., sd., b&w, 16 mm. (Celestial navigation series)
Order no. TF 1-545.
Summary: Shows relationship between latitude and elevated pole; position and diurnal path of Polaris; and reduction of altitude of elevated pole. Describes the use of mathematical formulae and tables in determining the altitude of Polaris.
Buy from NF.

Launching (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.
19 min., sd., b&w, 16 mm. (Fundamentals of patrol plane handling series)
Order no. MN 1338-c.
Summary: Shows in detail the procedure for launching a seaplane from a concrete ramp.
Borrow from Navy. Buy from NF.

Launching of Explorer (*Motion picture*) U. S. Dept. of the Army, 1958.
10 min., sd., b&w, 16 mm.
Order no. MF 21-8033.
Summary: Pictorial story of the U. S. Army's launching of the first United States earth satellite, "Explorer," at Cape Canaveral, Florida. Depicts the preliminary, intermediate, and final phases of the project, including features, assembly, and testing of each stage of Jupiter-C; final assembly and fueling procedure, the countdown, firing command, and the ascent of Jupiter-C into space.
Borrow from Army. Cleared for tv.

Laying off bulkheads (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation. Series: Laying out and installing stern tube, tail shaft, and propeller, no. 2)
Order no. OE 101.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to measure on bulkheads from the temporary line and establish the center of bulkhead openings; the purpose for laying off the bulkheads; and when to run the permanent line.
Buy from NF.

Laying off bulkheads (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
25 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 7. Laying out and installing stern tube, tail shaft, and propeller, no. 2)
Order no. OE 101-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out and forming plywood (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
21 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 3)
Order no. OE 285.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out plywood using blueprints and templates; form plywood in a press; reinforce plywood; and apply glue and varnish.
Buy from NF.

Laying out and forming plywood (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
39 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 3)
Order no. OE 285-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out and installing compartment fixtures (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 5)
Order no. OE 114.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to locate installations on a planview blueprint; lay out ceiling fixtures and studs; lay out and burn a hole for the passage of cable; and install ceiling fixtures.
Buy from NF.

Laying out and installing compartment fixtures (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 5)
Order no. OE 114-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out and installing hangers (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 5)
Order no. OE 120.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to measure and cut hanger legs to length; and how to install stool, angle iron bracket, strap, rod, and saddle hangers.
Buy from NF.

Laying out and installing hangers (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.
48 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 5)
Order no. OE 120-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out and installing kickpipes and stuffing tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 1)
Order no. OE 110.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to locate the kickpipe or stuffing tube area; lay out the penetration area; cut or burn the penetration area; and install the kickpipe or stuffing tube.
Buy from NF.

Laying out and installing kickpipes and stuffing tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
57 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 1)
Order no. OE 110-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out and installing main wireway (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
21 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 2)
Order no. OE 111.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to determine from the blueprint the route the cables are to follow and the size of the hangers to be used; lay out the raceways; install flat bars and hangers; and lay out penetration holes to be cut.
Buy from NF.

Laying out and installing main wireway (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
26 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 2)
Order no. OE 111-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out and installing stern tube, tail shaft, and propeller
see
Fitting tube, shaft, and propeller
Laying off bulkheads
Running a permanent line and boring
Running a temporary line

Laying out, drilling, and tapping flanges on sea chest (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 4)
Order no. OE 98.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Component parts of a sea chest; how locations of flanges are checked; flanges leveled; stud hole centers laid out; and stud holes drilled and tapped.
Buy from NF.

Laying out, drilling, and tapping flanges on sea chest (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
32 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 4)
Order no. OE 98-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying out small castings (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.
16 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 6)
Order no. OE 40.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out holes for drilling; locate a reference point; and use hermaphrodite callipers, combination square, and surface gage.
Buy from NF.

Laying out small castings (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
32 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 6)
Order no. OE 40-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Laying pipelines (*Motion picture*) U. S. Dept. of the Army, 1954.
19 min., sd., b&w, 16 mm. (Military pipeline operations, no. 1)
Order no. TF 5-1862.
Summary: Demonstrates the laying of a typical military pipeline, stovepipe and grasshopper methods of laying pipe, and cold and hot bending pipe methods.
Borrow from Army.

Lead from mine to metal (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.
28 min., sd., color, 16 mm.
Order no. 245.
Summary: Shows mining, preparing for market, and the major uses of lead.
Borrow from BM. *Cleared for tv.*

The lead line, fathometer (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
57 fr., b&w, 35 mm.
Order no. SCG 122, formerly SG 1689.
Summary: Explains the importance of taking soundings and the use of identifying marks on a lead line. Shows how to heave a lead line and report soundings to the bridge, and how to determine the type of bottom.
Buy from NF.

Leaders of tomorrow (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
Summary: Portrays Japanese teen-age boys and girls learning the principles of democracy at the youth training centers sponsored in Japan by the American Red Cross and the Supreme Commander, Allied Powers. Prepared for use in occupied areas, particularly in Japan.
Buy from NF.

Leadership development series
see
The 4-H junior leader

The 4-H project leader

Helping the 4-H junior leader to grow

Leadership in action, part 1 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

5 min., sd., b&w, 16 mm.
Order no. MH 9415–a.
Summary: Stresses leadership elements in combat and physical fitness.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Leadership in action, part 2 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

5 min., sd., b&w, 16 mm.
Order no. MH 9415–b.
Summary: Stresses the development program as a well-rounded plan in which physical, mental, and spiritual needs are emphasized.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Leadership in action, part 3 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

5 min., sd., b&w, 16 mm.
Order no. MH 9415–c.
Summary: Stresses the variety of vocational possibilities which Marine Corps training affords.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Leadership in action, part 4 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

5 min., sd., b&w, 16 mm.
Order no. MH 9415–d.
Summary: Discusses the way in which a Marine meets his social and moral responsibilities.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The leading edge (*Motion picture*) U. S. Marine Corps, 1958.
27 min., sd., b&w, 16 mm.
Order no. MH 8599.
Summary: Depicts the training which a young man receives upon enrolling in either of the two Marine Corps officer training programs: the platoon leaders class (aviation), or the aviation officers candidate course.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Learn and live (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration. 1952.
43 min., sd., b&w, 16 mm.
Order no. TF 1–3300.
Summary: A safety film for pilots dramatizing, in fantasy form, some of the more common errors in flying safety and emphasizing the responsibility of the pilot.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Learning about farm jobs from pictures (*Filmstrip*) U. S. Dept. of Agriculture, 1944.
50 fr., b&w, 35 mm.
Order no. 652.
With lecture notes.
Summary: Shows how pictures can be used in job instruction in order to emphasize key points, discuss principal steps, show the whole process, contrast right and wrong ways, and compare different methods.
Buy from PhotoLab.

Learning by doing (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., b&w, 16 mm. (Shipboard training series)
Order no. MN 5328–b.
Summary: Illustrates actual operation of shipboard on-the-job training. Emphasizes job analysis and techniques of instruction and training.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Learning to swim (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
Order no. MCG 115–aaj, formerly MG 2442.
Summary: Emphasizes the need for gaining confidence in the water, and demonstrates how to float and to swim the dog paddle.
Buy from NF.

Leatherneck ambassadors (*Motion picture*) U. S. Dept. of the Navy, 1961.

15 min., sd., color, 16 mm.
Order no. MN 9409
Summary: Depicts the Marine Corps as it participated in the International Festival of Music held in Edinburgh, Scotland, in 1958.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Legacy of Cyrus (*Motion picture*) U. S. Information Agency, 1962. Released for educational use in the United States through U. S. Office of Education, 1963.

54 min., sd., color, 16 mm.
Summary: Reviews Iran's historical greatness and describes the social, economic, and political development of the country as a modern nation. Outlines the characteristics and resources of Iran today.
Buy from NF.

Leptospirosis (*Motion picture*) U. S. Public Health Service, 1960.

16 min., sd., color, 16 mm.
Order no. M 329.
Summary: Explains to professional personnel the various phases of leptospirosis, discusses the possibility of human infection, and points out to laboratory personnel the various aspects of the disease.
Borrow from PHS. *Buy from* NF.

Lesser Sunda Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
92 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Theatres of war series. Pacific area; Netherlands East Indies)
Order no. SN 1538–m.
Summary: Shows size and climate of Timor, Flores, Soemba, Soembawa, Lombok, and Bali; living conditions of the natives and how to treat them to obtain their help.
Borrow from Navy. *Buy from* NF.

Let us live (*Motion picture*) U. S. Dept. of State, 1953. Released for educational use in the United States through U. S. Office of Education.
19 min., sd., b&w, 16 mm.
Summary: Portrays refugees and displaced persons entering West Berlin; explains the steps being taken to receive and rehabilitate these people; and gives their reasons for emigrating to western Germany. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Let's have more vitamin A and C foods in school lunches (*Filmstrip*) U. S. Dept. of Agriculture, 1954.
15 double fr., color, 35 mm.
Order no. C–40.
With printed narrative.
Summary: Explains the importance of vitamins A and C to growing children and suggests ways to make sure that the foods served in school lunch programs contain sufficient quantities of these two vitamins.
Buy from PhotoLab.

Let's look at ordnance (*Motion picture*) U. S. War Dept., 1945.
20 min., sd., b&w, 16 mm.
Order no. MF 9–1199.
Summary: Scenes from various theaters of operation showing the role performed by U. S. Army Ordnance units in World War II.
Borrow from Army. *Cleared for tv.*

Let's visit the Smithsonian (*Filmstrip*) Smithsonian Institution, 1957.
32 fr., color, 35 mm. and disc: 2 s., 12 in., 33⅓ rpm, 25 min.
With teacher's manual and transcript of commentary.
Summary: Explains the activities of the Smithsonian Institution and pictures some of the collections and exhibits in its buildings in Washington, D. C., including the Natural History Museum, the Freer and National Galleries of Art, the National Air Museum, and the Museum of History and Technology.
Buy from SVE.

Letter from a mother (*Motion picture*) U. S. Dept. of the Army, 1955.
10 min., sd., b&w, 16 mm.
Order no. MF 45–8438.
Summary: Pictoral report of an American mother's feelings after visiting her son in the Army, showing her affection for her son and an understanding of the role he must play in the defense of his country.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Letter from an American schoolboy (*Motion picture*) U. S. Dept. of State, 1950. Made by Transfilm. Released for educational use in the United States through U. S. Office of Education, 1952.
27 min., sd., b&w, 16 mm.
Summary: An American schoolboy, aged 14, writes to a student in another country and describes his life in Conway, N. H. Includes scenes of the town and surrounding country and of the boy's family, home life, school classes, social activities, sports, and after-school job. Prepared for overseas use.
Buy from NF.

Letter to a friend (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
Summary: Explains how Japanese boys and girls can and do correspond, as "pen pals," with boys and girls of their own ages in the United States. Prepared for use in occupied areas, particularly in Japan.
Buy from NF. *Cleared for tv. Prior authorization required.*

Leveling for topographic mapping (*Motion picture*) U. S. Geological Survey, 1951.
20 min., sd., color, 16 mm.
Summary: Demonstrates the use of the U. S. Geological Survey precise level and rod in the development of the third-order level nets needed for proper vertical control in topographic mapping.
Borrow from GS.

Liberation of Rome (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
20 min., sd., b&w, 16 mm. (Campaign reports series)
Order no. CR 1.
Summary: Scenes of the entry of Allied troops into Rome in 1943 and of the population celebrating liberation of the city.
Borrow from Army. *Buy from* NF.

Libraries without bars (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
25 min., sd., b&w, 16 mm.
Summary: Shows modern improvements being made in Japanese libraries to stimulate interest in reading and to encourage appreciation of art, music, and literature. Prepared for use in occupied areas, particularly in Japan.
Buy from NF.

The Library of Congress (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
21 min., sd., b&w, 16 mm. (American scene series, no. 11)
Summary: Shows and explains the resources and services of the U. S. Library of Congress.
Buy from NF.

The life cycle of a malaria parasite (*Filmstrip*) U. S. Public Health Service, 1948.
93 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5–030.
Summary: Explains through drawings the various stages in the life cycle of a malaria parasite in man, including taxonomic position, terminology, and the more obvious clinical effects of malaria.
Borrow from PHS.

Life cycle of Diphyllobothrium latum (*Motion picture*) U. S. Public Health Service, 1950.
17 min., sd., b&w, 16 mm.
Order no. 4–043.
Summary: Explains and traces by means of animation and photomicrography the life cycle of the broad tapeworm of man.
Borrow from PHS. *Buy from* NF.

Life cycle of endamoeba histolytica in dysenteric and nondysenteric amoebiasis (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
18 min., si., color, 16 mm.
Order no. MN 2617.
Summary: Shows the parasites as cysts in an ulcerated colon; and demonstrates by animation how the amoeba divides into eight amoebulae which move about, and how the amoebae enter the blood. For medical personnel.
Borrow from Navy. *Buy from* NF.

Life in the U. S. Navy (*Motion picture*) U. S. Dept. of the Navy, 1959.
28 min., sd., color, 16 mm.
Order no. MN 8565.
Summary: A portrayal of life in the United States Navy, showing the Navy man at leisure, on the job, and in school. Shows latest equipment, surface ships, aircraft, submarines, and their billets.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Life with radiation (*Motion picture*) Division of Radiation Health, U. S. Public Health Service, 1960. Made by Station WQED–TV.
58 min., sd., b&w, 16 mm.
Order no. MIS 537.
Issued in 2 parts (29 min. each)
Summary: Answers in lay language many questions on ionizing radiation, explaining how it affects people. Describes the program of the Division of Radiological Health, Public Health Service, in meeting the challenges of the nuclear age.
Borrow from PHS.

Lifeblood of the land (*Motion picture*) U. S. Dept. of Agriculture, 1947.
19 min., sd., color, 16 mm.
Summary: Explains that water and life itself depend upon forests; demonstrates the effects of overcutting, overgrazing, and erosion; and shows conservation practices.
Rent from DA film libraries.

Lifeboats under gravity davits: Launching boats (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.
25 min., sd., b&w, 16 mm.
Order no. MN 7835–a.
Summary: Shows in detail the method of launching the merchant marine type of nested lifeboats using the "Welin gravity davit." Demonstrates methods of launching at dockside and while underway at sea.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Lifeboats under gravity davits: Recovering boats (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.
15 min., sd., b&w, 16 mm.
Order no. MN 7835–b.
Summary: Shows in detail the single method of recovering the merchant marine type of nested lifeboats using the "Welin gravity davit." Demonstrates an actual recovery.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Lifeline (*Motion picture*) U. S. War Dept., 1943.
18 min., sd., b&w, 16 mm.
Order no. WF 10.
Summary: Gives a pictorial account of the opening attack against Rendova and Munda, and the Japanese counterattack. Shows the evacuation of American wounded and the importance of medical supplies.
Borrow from Army.

Lift and drag (*Fimstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
77 fr., b&w, 35 mm.
Order no. SN 805.
Summary: Explains the aerodynamic theories of lift and drag.
Borrow from Navy.

Lifting templates for a foundation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Shipbuilding skills series. The shipfitter)
Order no. MN 2338-a.
Supplementary filmstrip of same title also available.
Summary: How to lift a template within the hull of a ship, and transfer the shape of the hull by use of measurements and cardboard.
Borrow from Navy. *Buy from* NF.

Lifting templates for a foundation (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
40 fr., b&w, 35 mm. (Shipbuilding skills series. The shipfitter)
Order no. SN 2338-n.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

Light mechanics series
see
Burnishing pivots
The eye loop holder
Making a cone point set screw
Making a fiddle bow
Making an anchor bolt
Making three steel staffs
Poising balance wheels
Prescription for work
Removing and replacing balance wheel screws
Screws and plates
Sharpening hand gravers
Sharpening jewelers' screwdrivers and tweezers
Truing balance wheels
Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off
Turning brass with hand gravers. Part 2: Turning straight and square shoulders

Light-sensitive materials (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., color, 16 mm. (Fundamentals of photography series)
Order no. MN 5385.
Summary: Physics of light and color; classification of light-sensitive materials according to light sensitivity, and composition of light-sensitive materials.
Borrow from Navy. *Buy from* NF.

Lighthouses and lightships (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm. (Aids to navigation series)
Order no. MN 202-aa.
Summary: Gives distinguishing characteristics of lighthouses and lightships. Illustrates fixed light, flashing light, fixed and flashing light, group flashing, occulting, and alternation of color flashes.
Borrow from Navy. *Buy from* NF.

Lights, running and anchor (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-c.
Summary: Shows inland and international rules for color of lights; position and visibility for masthead, side, range, and anchor lights; and lights displayed by vessels being overtaken.
Borrow from Navy. *Buy from* NF.

Lights, vessels being towed (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-f.
Summary: Inland light rules for barges and canal boats; scows; barges, scows, and nondescript vessels in New York harbor area; and dump scows in New York harbor.
Borrow from Navy. *Buy from* NF.

Lima (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm.
Summary: A tourist view of Lima including a sketch of its historical background and a discussion of its contemporary problems.
Buy from NF.

Line-up of field teletypewriter set EE-98A (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm.
Order no. TF 11-1839.
Summary: Demonstrates the step-by-step procedure for lining-up the field teletypewriter EE-98A; and emphasizes the importance of local and distant testing of the equipment.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Line-up procedure for tactical telegraph carrier equipment (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm.
Order no. TF 11-1837.
Summary: Demonstrates the procedure for setting up tactical telegraph carrier equipment for two wire operations, and emphasizes various tests to determine its operating efficiency.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Line-up procedure for tactical telephone carrier equipment (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
11 min., sd., b&w, 16 mm.
Order no. TF 11-1838.
Summary: Illustrates the procedure for lining up the terminal and ringer equipment and wiring the circuits; and emphasizes the need for synchronization between east and west terminals and the repeater station.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Linear equations in one unknown
see Beginning algebra I, lecture 11 [-13]:
Linear equations in one unknown

Linear equations in two unknowns
see Beginning algebra I, lecture 14 [-15]:
Linear equations in two unknowns

Liner and piston (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Benchwork)
Order no. MN 3708–h.
Summary: How to inspect liner; disassemble piston rod assembly; inspect slipper rod assembly, piston assembly, and piston; and replace rings.
Borrow from Navy. *Buy from* NF.

The link sextant, air (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
16 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–x.
Summary: Explains the operating principle of the sextant and the reading of the vernier scale; shows two ways of making observations and how to grip the sextant when making observations.
Borrow from Navy. *Buy from* NF.

Liquid fertilizers (*Motion picture*) U. S. Dept. of Agriculture, 1954.
4 min., sd., b&w, 16 mm.
Summary: Shows how various types of liquid fertilizers are used, and equipment needed for farm application. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Liquid scintillation counting (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.
14 min., sd., color, 16 mm.
Summary: Describes the use of a liquid scintillator for counting low-energy beta emitters commonly used in biological and medical tracer experiments. Explains the advantages of the single- and double- photomultiplier tube liquid scintillation counters over the solid-phase and gas-phase counters. Explains counting techniques, how the counters work, and how a sample is prepared. Notes that liquid scintillation counting is an extremely useful technique, particularly for weak beta emitters.
Borrow from AEC. Buy from Byron.

Listeriosis (*Filmstrip*) U. S. Public Health Service, 1960.
45 fr., color, 35 mm.
With printed text and guide.
Order no. F 390.
Summary: A resumé in pictures of diagnostic characteristics of listeriosis from a clinical and a bacteriological viewpoint. The text includes a description of the ecology and therapy of the disease in man and animals.
Borrow from PHS. *Buy from* NF.

Little John (*Motion picture*) U. S. Dept. of the Army, 1960.
4 min., sd., color, 16 mm.
Order no. MF 45–9515.
Summary: Describes the features, capability, and first test firing of the Little John missile—a light weight, highly mobile, close support weapon. Depicts preparations for test firing, including assembly of the missile, missile checks, and mounting on straight rail launcher.
Borrow from Army. *Cleared for tv.*

Little Smokey (*Motion picture*) U. S. Dept. of Agriculture, 1953.
12 min., sd., color, 16 mm.
Summary: Story of "Smokey," the bear cub found clinging to a charred tree after a forest fire in New Mexico and later taken to the National Zoo in Washington, D. C. Stresses the importance of forest first prevention.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Livestock cooperatives in action (*Motion picture*) U. S. Dept. of Agriculture, 1950.
15 min., sd., color, 16 mm.
Revision of the 1942 film Marketing livestock cooperatively.
Summary: Traces the history and shows the services of livestock marketing cooperatives.
Rent from DA film libraries. *Cleared for tv.*

Livestock market news in action (*Filmstrip*) U. S. Dept. of Agriculture, 1959.
15 fr., b&w, 35 mm.
Order no. 722
Summary: Explains how the United States Dept. of Agriculture provides up-to-the-minute market news on livestock, meats, and wool.
——— Another issue. double fr.

Buy from Photo Lab.

Livestock series
see Farm work series. Livestock

Living with limitations (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.
20 min., sd., b&w, 16 mm.
Summary: Explains how three veterans suffering from arthritis, heart condition, and a trick knee, respectively, are returned to health through aid of the Veterans Administration; how VA physical, occupational, and educational therapists work cooperatively; and how the patients are helped through vocational rehabilitation in finding jobs suited to their physical limitations.
Borrow from VA.

Living with radiation (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.
28 min., sd., color, 16 mm.
Summary: Discusses in detail the radiation-safety program of the national atomic energy program, using the procedures at AEC's National Reactor Testing Station in Idaho as the typical illustrative example. Covers the separation-distance factor; the storage and/or dispersal of radioactive wastes; protection of populations, water, crops, and livestock by air and environmental monitoring; protection of workers by film badges, protective clothing, radiation counters, shielding, remote-control devices, decontamination procedures, and biochemical studies.
Borrow from AEC. Buy from Byron.

Locating and repairing leaks (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 3)
Order no. OE 440.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to test for sulphur dioxide and methyl chloride leaks; use the halide torch to locate freon leaks; and repair several types of leaks.
Buy from NF.

Locating and repairing leaks (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
38 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 3)
Order no. OE 440–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Locating holes, drilling and tapping in cast iron (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 1)
Order no. OE 47.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to lay out a bolt circle having eight holes; use the center punch as centers for drilling; and use a tapping chuck in tapping two of the holes for set screws.
Buy from NF.

Locating holes, drilling and tapping in cast iron (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 1)
Order no. OE 17-fs.
Supplements motion picture of the same title.
With instructor's manual.
Buy from NF.

Location of decks and compartments (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Nomenclature of ships)
Order no. MN 2334-b.
Supplementary filmstrip of same title also available.
Summary: Explains number and letter designations and deck and compartment arrangement aboard ship.
Borrow from Navy. *Buy from* NF.

Location of decks and compartments (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.
95 fr., b&w, 35 mm. (Shipbuilding skills series. Nomenclature of ships)
Order no. SN 2334-a.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

The locomotive air brake system (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
14 min., sd., b&w, 16 mm.
Order no. FB 55-271.
Summary: Discusses the locomotive air brake system, including the identification, location, and function of the air compressor, compressor valve, pump governor, high pressure and low pressure pipes, sand box, sand traps, U pipe, power reverse gear, distributing valve, and tank brake cylinder.
Borrow from Army.

The log (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
35 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-1, formerly SG 3883-1.
Summary: Describes 3 types of logs: taffrail, Kenyon, and pitometer.
Buy from NF.

Logistic support management for advanced weapons (*Motion picture*) U. S. Dept. of the Air Force, 1960.
20 min., sd., color, 16 mm.
Order no. SFP 669.
Summary: Explains the mission of a ballistic missile squadron and the components which make up the weapons system. Shows how logistic support management provides prompt and accurate data and discusses the vital part played by the Electronic Data Processing Center.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Logistics series
see
Navy materials handling: The fork truck
Navy materials handling: The unit load

Lonesome road (*Motion picture*) U. S. Dept. of Agriculture, 1951.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 3)
Summary: Animated cartoon, featuring the character Smokey Bear and the tune Lonesome road, emphasizing forest fire prevention. Prepared primarily for television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The long cane. Part 1: Indoors (*Motion picture*) U. S. Veterans Administration, 1954.
32 min., sd., b&w, 16 mm.
Summary: Covers some of the problems of veterans who lose their sight following discharge from the service. Demonstrates therapeutic methods in general and specific techniques of foot travel, including use of a long cane, physical re-training for mobility within the hospital, and preparation for advanced therapy.
Borrow from VA. *Buy from* NF.

The long cane. Part 2: Outdoors (*Motion picture*) U. S. Veterans Administration, 1954.
32 min., sd., b&w, 16 mm.
Summary: Shows the therapy given blinded veterans in techniques of foot travel outside the hospital in uncontrolled areas, both residential and business, including uses of the long cane, sound detection, and problems related to public attitudes.
Borrow from VA. *Buy from* NF.

The long haul (*Motion picture*) U. S. Social Security Administration, 1963.
15 min., sd., color, 16 mm.
Summary: A dramatization about a sardine fisherman and his crippling accident, describing the efforts of his family and friends during the period of his recovery and rehabilitation. Explains the provisions of social security disability insurance available to disabled workers.
Borrow from SSA. *Buy from* NF.

Long range navigation: Loran (*Motion picture*) U. S. Dept. of the Air Force, 1958.
20 min., sd., b&w, 16 mm.
Order no. TF 1-5228.
Summary: Explains the theory and operational principles of the Loran system and shows how to use the APN-70 receiver.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

The long rifle (*Motion picture*) U. S. Dept. of the Army, 1951.
11 min., sd., b&w, 16 mm.
Order no. MF 7871.
Summary: Makes the point that throughout the history of the United States, the "long rifle" of freedom has spoken out against tyranny; and compares American soldiers today with the "minute men" of the Revolutionary War.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Longer life for wood: The role of preservatives in protecting wood (*Motion picture*) U. S. Dept. of Agriculture, 1954.
17 min., sd., color, 16 mm.
Summary: Explains the economic advantages of using treated wood in construction where decay is likely to occur, and portrays commercial and home treatment of wood with preservatives.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

A look ahead (*Motion picture*) U. S. Dept. of the Army, 1953.
27 min., sd., b&w, 16 mm.
Order no. MF 12-8201.
Summary: Presents the advantages and opportunities of a career in the U. S. Army.
Borrow from Army. *Cleared for tv.*

A look at Soviet agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1959.
18 min., sd., color, 16 mm.
Summary: Presents a report on the visit to the USSR by the USDA agricultural economics delegates. Shows farms, research stations, and agricultural enterprises in ten major farming regions, including the Crimea, Ukraine, Usbekistan, West Siberia, and the northwest region of Leningrad.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

A look at your Army (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm.
Order no. MF 45-8652.
Summary: A message from General Maxwell D. Taylor, Chief of Staff, U. S. Army, to American soldiers and citizens, explaining the merits of a career in the Army.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Look to the river (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1952.
20 min., sd., color, 16 mm.
Summary: Explains the integration of water resources and power needs in the Columbia River Basin and why such integration is necessary upon a regional basis. Includes scenes of Bonneville and Grand Coulee Dams in operation and of the construction of McNary and Hungry Horse Dams.
Borrow from BPA.

Look to the skies (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by American Film Producers.
18 min., sd., b&w, 16 mm.
Order no. SFP 252.
Summary: Explains the importance of tactical air power in the support of ground forces in modern warfare, reviews recent developments, and shows new types of planes developed by the U. S. Air Force Tactical Air Command.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Look toward tomorrow (*Motion picture*) U. S. Dept. of the Army, 1960.
29 min., sd., color, 16 mm.
Order no. MF 20-9106.
Summary: Depicts the research and development facilities and the activities of the technical services of the Army—Signal, Ordnance, Engineers, Chemical, and Quartermaster. Highlights the role of the civilian scientist and engineer in the significant work accomplished and currently in progress. Explains the advantages of a civil service career as civilian scientist or engineer with the Army, with reference to wage scale, research facilities that are available, and the opportunities for advancement.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Looking ahead (*Motion picture*) U. S. Social Security Administration, 1952. Produced by U. S. Dept. of Agriculture.
14 min., sd., b&w, 16 mm.
Summary: Pictures activities in a Social Security Administration district office at Salisbury, Md. Describes the kinds of people who visit such offices, their questions, and their treatment by SSA employees. Includes information on benefits provided under old age and survivors' insurance.
Borrow from SSA. *Cleared for tv.*

Loran comes to Batan (*Motion picture*) U. S. Coast Guard, 1955.
28 min., sd., color, 16 mm.
Summary: Shows the construction by the U. S. Coast Guard of a loran station on the island of Batan in the Philippines.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Loran duty: a challenge (*Motion picture*) U. S. Coast Guard, 1957.
28 min., sd., color, 16 mm.
Summary: Shows the physical appearance, locale, operations, duties, and recreation at Loran stations in the Arctic and Pacific areas. Also shows scenes of a coast-guardsman on leave in Tokyo, Japan.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Loran for ocean navigation (*Motion picture*) U. S. Coast Guard, 1947.
20 min., sd., b&w, 16 mm.
Summary: Various uses of loran in ocean navigation.
Borrow from CG.

The Lord's prayer (*Motion picture*) U. S. Dept. of the Air Force, 1958.
4 min., sd., b&w, 16 mm.
Order no. SFP 490.
Revision of the 1950 film of the same title.
Summary: Rendition of the Lord's prayer by the United States Air Force Singing Sergeants.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Low ceilings and low visibilities (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.
40 fr., b&w, 35 mm.
Order no. FS 1-2527.
Summary: Describes the low visibility and low ceiling hazards to aerial flight; and explains the necessity for preflight planning and precautions for flight over regions of low visibility and low ceilings.
Borrow from AF. *Buy from* NF.

Low cost dairy improvement (*Motion picture*) U. S. Dept. of Agriculture, 1954.
5 min., sd., b&w, 16 mm.
Summary: Shows the low cost and labor-saving devices and methods developed to reduce cost of production without sacrificing quality of fluid milk output. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Low frequency Adcock radio range equipment and field patterns (*Filmstrip*) U. S. Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
32 fr., b&w, 35 mm.
Order no. FS 1-528.
Summary: Describes the components of the low frequency Adcock radio range equipment and the theoretical field patterns produced by this equipment.
Borrow from AF.

Low level air navigation (*Motion picture*) U. S. Dept. of the Navy, 1960.
22 min., sd., color, 16 mm.
Order no. MN 8917.
Summary: Demonstrates flight planning and flight techniques to be used by carrier attack pilots in the navigation portion of the low level attack mission. Shows how natural and man-made landmarks are selected and utilized in flight as checkpoints along the route flown. Follows a light carrier attack pilot through the flight planning and flying procedures of a simulated low level attack mission.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Low pressure type series
see Distilling plants series. Low pressure type

Lubrication (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.
30 min., sd., b&w, 16 mm.
Order no. 191.
Summary: Describes the theory of friction, varying degrees of friction, the value of lubrication, and different kinds of petroleum lubricants for different uses.
Borrow from BM. *Cleared for tr.*

Lubrication of electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bill Sturm Studios.
9 min., sd., color, 16 mm.
Order no. MN 6942.
Summary: Explains the importance of routine and methodical lubrication of electronic equipment according to recommended procedures.
Borrow from Navy. *Buy from* NF.

Lumbar puncture (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.
13 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511-n.
Summary: Shows how to prepare a patient for a lumbar puncture; indicates the position of the patient; describes the operation; and by animation demonstrates what happens when the injection is made.
Borrow from Navy. *Buy from* NF.

Lumbar sympathectomy (Ganglionectomy) (*Motion picture*) U. S. Dept. of the Army, 1948.
33 min., sd., color, 16 mm.
Order no. PMF 5076.
Summary: Shows various applications of a lumbar sympathectomy, and the types of conditions that are likely to be benefited by this operation. Demonstrates procainization of the structure to be removed; operative procedure followed; and in detail, the removal of the sympathetic chain. Also shows anatomic and physiologic defects produced by the removal of certain portions of the chain, and an ordinary anatomic demonstration on a cadaver. For medical personnel.
Borrow from Army.

Lung cancer: The problem of early diagnosis (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1954. Made by Audio Productions.

28 min., sd., color, 16 mm.

With booklet.

Summary: Emphasizes the importance of periodic chest X-rays in the control of cancer of the lungs; shows by animation the history of lung cancer and the marked increase in its incidence; explains the diagnosis of lung cancer through illustrations of X-ray diagnostic procedures, the value of exfoliative cytology, the value of bronchoscopy, and an exploratory thoracotomy for biopsy of an unknown chest lesion. For professional audiences.

Borrow from NCI *or* ACS. *Buy from* ACS.

The lyophilizer (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

76 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Infectious hazards of bacteriological techniques, no. 5)

Order no. F 57-g.

Summary: Demonstrates how dangerous aerosols from cultures of infectious bacteria are liberated during the lyophilization and use of dried organisms, and recommends that lyophilization of highly infectious organisms be done in a ventilated cabinet.

Borrow from PHS. *Buy from* NF.

M

MATS control teams for SAC movements: Organization and preparation (*Motion picture*) U. S. Dept. of the Air Force, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 1-5037a.
Summary: Shows the teamwork that goes on behind the scenes of Strategic Air Command movements, including the responsibilities and functions of the various participating organizations and personnel.
Borrow from AF.

MATS control teams for SAC movements: The results of planning (*Motion picture*) U. S. Dept. of the Air Force, 1956.
13 min., sd., b&w, 16 mm.
Order no. TF 1-5037b.
Summary: Shows what happens when a Strategic Air Command movement gets under way, and defines the responsibilities of the MATS operations officer, including communications, weather data, rerouting of aircraft, replacement of aircraft, refueling, cargo loading, passenger loading, etc.
Borrow from AF.

The MATS transport control system (*Motion picture*) U. S. Dept. of the Air Force, 1955.
17 min., sd., b&w, 16 mm.
Order no. TF 1-5017.
Summary: Depicts the mission and five major objectives of the MATS transport control system.
Borrow from AF. Cleared for tv.

MIL-D-70327: Engineering documentation for uniform requirements (*Motion picture*) U. S. Dept. of the Army, 1961.

25 min., sd., color, 16 mm.
Order no. MF 20-9813.
Summary: A graphic presentation of the development of standardization conceptions for an overall engineering drawing area. Traces the reasons behind a standardization concept and portrays a history of events leading to its successful completion. Illustrates the difficulties surrounding such projects and gives insight into the machinery used to bring the military and industry to an agreement on a basic document for the procurement of engineering drawings by the military from contractors.
Borrow from Army. Buy from NF. Cleared for tv.

MP highway patrol in Germany (*Motion picture*) U. S. Dept. of the Army, 1953.
10 min., sd., b&w, 16 mm.
Order no. FB 19-256.
Summary: Portrays U. S. Military Police operations on the Autobahn in Germany, including patrol of traffic, law enforcement, and first aid.

Borrow from Army. Buy from NF. Cleared for tv.

MSTS Arctic operations, 1956 (*Motion picture*) U. S. Dept. of the Navy, 1957.
45 min., sd., color, 16 mm.
Order no. MN 8607.
Summary: Describes the functions and activities of the Military Sea Transportation Service in establishing DEW (distant early warning) line sites in the Arctic and resupplying other bases in Greenland, Labrador, Baffin Island, and Alaska.

Borrow from Navy. Buy from NF. Cleared for tv.

MSTS Arctic operations 1957 (*Motion picture*) U. S. Dept. of the Navy, 1958.
22 min., sd., color, 16 mm.
Order no. MN 8647-a.
Summary: Shows the re-supply by sealift of DEWLINE, SUNEC and the Pribiloff Islands, and the development of a practical northwest passage through Bellot Strait.

Borrow from Navy. Buy from NF. Cleared for tv.

Machine countersunk flush rivets for aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1943.
15 min., si., b&w, 16 mm.
Summary: Shows test specimens, equipment, and methods used, and discusses the general conclusions resulting from an investigation conducted by the NACA to determine possible improvements in the shear strength, the tightness, and the flushness of rivets in simple lap joints made by different methods of flush riveting. For technical personnel, to be used with NACA Wartime report L-294: A study of the tightness and flushness of machine-countersunk rivets for aircraft.
Borrow from NASA.

Machine gun, 7.62 mm, M-60, operation and cycle and functioning (*Motion picture*) U. S. Dept. of the Army, 1960.

21 min., sd., b&w, 16 mm.
Order no. TF 9-2971
Summary: Describes the features, capability, components, operation, and cycle of functioning of the machine gun, 7.62 mm, M-60, showing how to load, aim, cock, fire, unload, and reload. Emphasizes the effectiveness of the machine gun for close, continuous fire.

Borrow from Army. Buy from NF. Cleared for tv.

Machine molding series
see Foundry practice series. Machine molding

Machine shop work series. Basic machines
see
The drill press
The lathe
The milling machine
The shaper

Machine shop work series. Bench work
see
Centering small stock
Cutting threads with taps and dies
Fitting and scraping small bearings
Fundamentals of filing
Laying out small castings
Reaming with straight hand reamers
Reaming with taper hand reamers
Scraping flat surfaces

Machine shop work series. Carbide cutting tools
see
Brazing carbide tools
Cutting with carbide tools. Part 1: Single point
Cutting with carbide tools. Part 2: Milling cutters
Grinding multiple-point carbide tools
Grinding single-point carbide tools

Machine shop work series. Fundamentals of blueprint reading
see
Principal dimensions, reference surfaces and tolerances
Reading a drawing of a valve bonnet
Reading a three-view drawing
Sectional views and projections, finish marks
Visualizing an object

Machine shop work series. Operations on a broaching machine
see
Broaching an internal keyway
Double ram vertical surface broaching
Single ram vertical surface broaching

Machine shop work series. Operations on the centerless grinding machine
see
Endfeed grinding a tapered pin
Infeed grinding a shaft of two diameters
Infeed grinding shouldered work
Thrufeed grinding a straight pin, part 1
Thrufeed grinding a straight pin, part 2

Machine shop work series. Operations on the center-type grinder
see
Grinding a plain pin. Part 1: The grinding wheel
Grinding a plain pin. Part 2: Grinding operations
Grinding a slender shaft with back rest
Grinding a taper
Plunge cut grinding

Machine shop work series. Operations on the cutter grinder
see
Sharpening a form relieved cutter
Sharpening a plain helical milling cutter
Sharpening a shell end mill
Sharpening a side milling cutter
Sharpening an angular cutter

Machine shop work series. Operations on the drill press. Radial drill
see
Drilling and tapping cast steel
Drilling to a layout and spotfacing cast iron

Machine shop work series. Operations on the drill press. Sensitive drill
see
Drilling a hole in a pin

Machine shop work series. Operations on the drill press. Vertical drill
see
Countersinking, counterboring, and spotfacing
Locating holes, drilling and tapping in cast iron

Machine shop work series. Operations on the engine lathe
see
Boring to close tolerances
Cutting a taper with the compound rest and with a taper attachment
Cutting an external acme thread
Cutting an external national fine thread
Cutting an internal acme thread
Cutting an internal taper pipe thread
Drilling, boring, and reaming work held in chuck
Machining work held in chuck: Use of reference surfaces
Rough turning between centers
Turning a taper with the tailstock set over
Turning work held on a fixture
Turning work held on a mandrel
Turning work of two diameters
Using a boring bar between centers: Work held on carriage
Using a follower rest
Using a steady rest
Using a steady rest when boring

Machine shop work series. Operations on the gear hobbing machine
see
Hobbing a helical gear: Two cuts, nondifferential method
Hobbing a spur gear. Part 1: Setting up the change gears
Hobbing a spur gear. Part 2: Setting up and hobbing the work
Hobbing a square tooth spline shaft
Hobbing a worm gear: Infeed method

Machine shop work series. Operations on the horizontal boring mill
see
Contour face milling
Drilling, tapping, stub-bearing, and reaming
Face milling with a fixture
Rough line-boring
Setup for face milling with a fixture
Setup for rough line-boring

Machine shop work series. Operations on the internal grinder
see
Grinding a deep hole
Grinding a straight hole
Grinding and facing a blind hole

Machine shop work series. Operations on the metal cutting band saw
see
Filing and internal irregular shape

Machine shop work series. Operations on the milling machine
see
Boring holes with offset boring head
Cutting a short rack
Cutting keyways
Milling a helical cutter
Milling a template
The milling machine
Straddle and surface milling to close tolerances
Straddle milling

Machine shop work series. Operations on the planer
see
Planing a dovetail slide
Planing a flat surface

Machine shop work series. Operations on the shaper
see
Cutting a keyway on end of a finished shaft
Machining a cast iron rectangular block
Machining a tool steel V block

Machine shop work series. Operations on the surface grinder
see
Grinding a parallel bar. Part 1: Setting up the machine
Grinding a parallel bar. Part 2: Grinding operations
Grinding a template
Grinding a V block
Grinding thin discs

Machine shop work series. Operations on the turret lathe
see
Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner
Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper
Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head
Chuck work. Part 1: Setting up hexagon turret tools
Chuck work. Part 2: Setting up tools for combined cuts
Setting up and machining bar stock
The turret lathe, an introduction

Machine shop work series. Operations on the vertical boring mill
see
Facing, turning, boring, grooving, and chamfering
Rough-facing, boring, and turning a shoulder
Rough-facing, turning and drilling

Machine shop work series. Operations on the vertical milling machine
see
Cutting a dovetail taper slide
Cutting a round end keyway
Cutting teeth on a worm gear
Milling a circular T-slot
Milling a helical groove
Using a shell end mill

Machine shop work series. Precision measurement
see
The bevel protractor
Fixed gages
Gage blocks and accessories
Height gages and test indicators
The micrometer
Precision gage blocks
The steel rule

Machine shop work series. Single point cutting tools
see
Fundamentals of end cutting tools
Fundamentals of side cutting tools

Machine tools series
see
The lathe
The milling machine
Planers
The shaper

Machine transcription: Machine operation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
15 min., sd., b&w, 16 mm.
Order no. MN 1562-a.
Summary: Explains the purpose of dictating and transcribing machines, and demonstrates the operation of the dictaphone and ediphone types.

Borrow from Navy. *Buy from* NF.

Machine transcription: Transcription technique (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
21 min., sd., b&w, 16 mm.
Order no. MN 1562-b.
Summary: How to phrase dictation at various speeds; prepare for a day's work; compose a letter; and correct errors in the transcriptions on the cylinder. "Do's" and "don'ts" of good transcription.

Borrow from Navy. *Buy from* NF.

Machining a cast iron rectangular block (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.
25 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the shaper, no. 2)
Order no. OE 20.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set the shaper ram stroke; adjust the shaper table, vise, vertical feed, head feed, and cross-feed; and set up a rectangular cast iron block and machine all six sides to dimensions and square with each other.

Buy from NF.

Machining a cast iron rectangular block (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
52 fr., b&w, 35 mm. (Machine shop work series. Operations on the shaper, no. 2)
Order no. OE 20-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Machining a cast iron rectangular block
see also
Fabricación de un bloque rectángular de hierro fundido

Machining a tool steel V block (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.
21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the shaper, no. 3)
Order no. OE 21.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out work for machining on a shaper; set up and position the ram stroke; and machine V grooves and rectangular slots.

Buy from NF.

Machining a tool steel V block (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

33 fr., b&w, 35 mm. (Machine shop work series. Operations on the shaper, no. 3)

Order no. OE 21-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Machining laminated plastics (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

19 min., sd., b&w, 16 mm. (Plastics series, no. 10)

Order no. OE 475.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to machine a typical laminated part; cut the tube stock to length on a circular saw, turn the outside diameters on a lathe; machine inside diameters by boring with a lathe; and finish the machining on a milling machine.

Buy from NF.

Machining laminated plastics (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

39 fr., b&w, 35 mm. (Plastics series, no. 10)

Order no. OE 475-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Machining work held in chuck: Use of reference surfaces (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

24 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 12)

Order no. OE 60.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to select and machine surfaces to be used for reference; set up a workpiece accurately to the reference surfaces in a lathe chuck; and use a boring bar to machine several internal surfaces.

Buy from NF.

Machining work held in chuck: Use of reference surfaces (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

41 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 12)

Order no. OE 60-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Machining work held in chuck: Use of reference surfaces
see also
Elaboração de uma peça no prato ou bucha
Elaboración de una pieza en el plato

Made in occupied Japan (*Motion picture*) U. S. Dept. of the Army, 1949.

14 min., sd., b&w, 16 mm.

Order no. MF 45-7561.

Summary: Story of the revival of the pottery industry in Japan, demonstrating the various processes involved in making pottery.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Magic chicken (*Motion picture*) U. S. Dept. of Agriculture, 1955.

4 min., sd., b&w, 16 mm.

Summary: Shows research conducted in developing cross-bred chickens, and how male and female chicks can be separated by feather color differences at hatching times. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

The magic of sulphur (*Motion picture*) U. S. Bureau of Mines in cooperation with the Texas Gulf Sulphur Co. Released by U. S. Bureau of Mines, 1961.

26 min., sd., color, 16 mm.

Order no. 255

Revised version of the 1952 motion picture entitled Sulphur.

Summary: Discusses the uses of sulphur from the time of primitive man to modern times, describing its uses in medicines, soaps, detergents, plastics, dyes, steel, textiles, and fuels.

Borrow from BM. *Buy through* BM. *Cleared for tv.*

Magnesium, metal from the sea
see
This is magnesium

The magnetic bottle (*Motion picture*) U. S. Information Agency, 1958. Made by Atomic Energy Commission. Released for public educational use in the United States through U. S. Office of Education, 1959.

11 min., sd., color, 16 mm.

Summary: Shows how science, through research, is attempting to attain and control a fusion process for the development of unlimited hydrogen power for agriculture and industry. Describes, through the use of animated drawings, experimental fusion machines in the new magnetic pressure field. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

The magnetic compass (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

39 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136-b, formerly SG 3883-b.

Summary: Explains the construction and operation of the magnetic compass.

Buy from NF.

Magnetic waters (*Motion picture*) U. S. Army Engineers, 1957.

14 min., sd., color, 16 mm.

Summary: Depicts growth and industrial stimulus resulting from the increasing public interest in the development of water resources by the Army Corps of Engineers in eastern Oklahoma and northern Texas.

Borrow from Eng. *Cleared for tv.*

Main dishes in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

22 fr., color, 35 mm.

Order no. C-81

Summary: Demonstrates use of USDA distributed commodities in low-cost family meals.

——— Another issue. double fr.

Buy from Photo Lab.

Maintaining garden freshness in fruits and vegetables (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

29 double fr., color, 35 mm.

Order no. C-48.

With lecture notes.

Summary: Shows the effect of temperature moisture and handling practices on fresh fruits and vegetable quality, including suggestions and recommendations for storing, prepackaging, and displaying so as to extend shelf life and reduce deterioration.

Buy from PhotoLab.

Maintaining good voltage on rural distribution lines (*Motion picture*) U. S. Dept. of Agriculture, 1953.

37 min., sd., b&w, 16 mm.

Summary: An electrical engineer explains, through blackboard illustrations, methods that may be used to evaluate voltage conditions on rural distributive systems of electricity, and suggests means for voltage improvement. Prepared for the training of employees of rural electrification cooperatives.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Maintaining good working conditions (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
9 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 152.
With instructor's manual.
Summary: Two supervisors describe specific ways, dramatically reenacted, which they used in improving working conditions.
Buy from NF.

Maintaining good working conditions
see also
Buenas condiciónes en el trabajo

Maintaining high level agricultural exports (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
60 double fr., color, 35 mm.
Order no. C-61.
With lecture notes.
Summary: Shows the level and significance of United States agricultural exports and the situation by commodities.
Buy from PhotoLab.

Maintaining quality standards (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 164.
With instructor's manual.
Summary: A supervisor learns that quality as well as quantity production is necessary, and how such quality standards can be achieved and maintained.
Buy from NF.

Maintaining the HLT training type helicopter: Rotor systems and related controls (*Motion picture*) U. S. Dept. of the Navy, 1952.
24 min., sd., b&w, 16 mm.
Order no. FN 7397–a.
Summary: Illustrates basic steps in maintenance procedures on the HLT–5 single main rotor helicopter, and shows removal, balancing, and reinstallation of both the main and tail rotors, as well as adjustment of the cyclic, collective pitch, and rudder controls.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Maintaining the HUP service type helicopter: Rotor systems and related controls (*Motion picture*) U. S. Dept. of the Navy, 1952.
16 min., sd., b&w, 16 mm.
Order no. FN 7397–b.
Summary: Illustrates basic steps in the removal of rotor blades and hub, snubbers, flap restrainers, and dampers; and shows procedures for setting blade angle of incidence and checking control cable tensions.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Maintaining workers' interest (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 159.
With instructor's manual.
Summary: Dramatized instances of employees doing poor work because their jobs do not interest them, and what the supervisor should do to detect and remedy such situations.
Buy from NF.

Maintaining workers' interest
see also
Conserve el interés de sus empleados

Maintenance and management of USAF vehicles (*Motion picture*) U. S. Dept. of the Air Force, 1959.
21 min., sd., b&w, 16 mm.
Order no TF 1–5329.
Summary: Explains the vehicle maintenance program and the importance of vehicles in Air Force operations. Discusses various shop operations, duties of the maintenance officer, and functions of key personnel. Shows the case history of a vehicle undergoing inspection and maintenance.
Borrow from AF. *Buy from* NF.

Maintenance and repair of steam condensers: Circulating water side (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. FN 6733.
Summary: Explains the principle and operation of the steam condenser, and shows the procedures of preparing, cleaning, inspecting, repairing, and testing a condenser.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Maintenance management: Collection and use of maintenance data (*Motion picture*) U. S. Dept. of the Air Force, 1960.
29 min., sd., b&w, 16 mm.
Order no. SFP 691b.
Summary: Explains the procedures for detailed reporting of all maintenance actions. Shows how man-hour utilization and maintenance data are compiled into weekly and monthly reports and how these reports are used to pinpoint lost man-hours, to establish trends in excessive maintenance, and to point the way for maximum utilization of manpower.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Maintenance management: Maintenance manhour reporting and control (*Motion picture*) U. S. Dept. of the Air Force, 1960.
23 min., sd., b&w, 16 mm.
Order no. SFP 691a.
Summary: Illustrates procedures for reporting and controlling the distribution and utilization of man-hours. Shows how workers report man-hour data daily, and explains how this information is forwarded to Statistical Services for analysis.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Maintenance of installed petroleum facilities (*Motion picture*) U. S. Dept. of the Air Force, 1957.
23 min., sd., b&w, 16 mm.
Order no. TF 1–5114.
Summary: Shows steps in the preventive maintenance of the hydrant fuel dispensing system, including changing micronic filters in the filter fuel pit, cleaning the micronic tank, and servicing the pressure control valve on standard equipment; and on latest equipment, servicing the refueling and excess flow control valve and defueling flow valve, rate of flow valve, and pressure relief valve. Emphasizes safety precautions.
Borrow from AF. *Cleared for tv.*

Maintenance of medical service equipment (*Motion picture*) U. S. Dept. of the Army, 1961.
22 min., sd., b&w, 16 mm.
Order no. TF 8–3098.
Summary: Describes the objectives and scope of operator and organizational maintenance of medical service equipment. Shows the daily first echelon maintenance performed by the operator, the second echelon maintenance performed by skilled medical equipment repairmen, and major repairs beyond the capability of the organizational maintenance facility, which are referred to the Louisville Medical Depot where specialized personnel correct faulty items and return them as quickly as possible.
Borrow from Army.

Maintenance of office machines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
37 min., sd., b&w, 16 mm.
Order no. MN 1513.
Summary: Care and maintenance of typewriters, transcribing machines, dictaphones, adding machines, and calculators.
Borrow from Navy. *Buy from* NF.

Maintenance of storage batteries (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

52 fr., b&w, 35 mm.

Order no. SN 981.

Summary: Shows proper methods of installing a storage battery and of maintaining it by periodic inspections and servicing.

Borrow from Navy. *Buy from* NF.

Maintenance tank cleaning: Butterworth method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

31 min., sd., b&w, 16 mm. (Navy tank cleaning procedures series)

Order no. MN 6689–a.

Summary: Explains how purposes govern procedures to be followed and shows basic techniques in applying Butterworth method.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Make mine chicken (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1957.

4 min., sd., b&w, 16 mm.

Summary: Describes various uses of chicken in meals, discusses five basic cooking methods, and portrays different preparations.

Rent from DA film libraries. *Cleared for tv.*

Making a center punch (*Motion picture*) U. S. Veterans Administration, 1949.

13 min., sd., b&w, 16 mm. (Light mechanics series, no. 13)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Shows the grinding of a simple form cutting tool and the use of this tool in turning a center punch on a lathe.

Borrow from VA. *Buy from* NF.

Making a cold bend on a hand powered machine (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

13 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 4)

Order no. OE 108.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Importance of bends in marine pipe installation; how to measure pipe for bends; and operate a hand-bending machine.

Buy from NF.

Making a cold bend on a hand powered machine (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

49 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 4)

Order no. OE 108–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a cone point set screw (*Motion picture*) U. S. Veterans Administration, 1949.

8 min., sd., b&w, 16 mm. (Light mechanics series, no. 12)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Demonstrates how to make a cone point set screw from carbon steel rod stock, including turning the point on a lathe, threading the screw, and making the screw head.

Borrow from VA. *Buy from* NF.

Making a core box for a flanged pipe elbow (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

21 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 10)

Order no. OE 330.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use a pattern layout in making a core box; design a core box; lay out a curved core piece; turn the core cavity in a curved piece; assemble a core box having a curved core piece; and finish the core box.

Buy from NF.

Making a core box for a flanged pipe elbow (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

40 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 10)

Order no. OE 329–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a core box for a flanged pipe elbow
see also
Fabrication d'une boîte à noyaux pour un coude
de tuyau à brides

Making a core box for a machine base (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

12 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 334.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How a patternmaker, working from a casting, goes about the job of designing a core box; examines the casting; visualizes the problem; makes the layout; and constructs the pattern and core boxes.

Buy from NF.

Making a core box for a machine base (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

26 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 334–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a core box for a machine base
see also
Fabrication d'une boîte à noyaux pour une base
de machine

Making a core box for a tail print (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

18 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4A)

Order no. OE 350.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use dry sand cores in molding holes in castings; use pattern layout to make a core box; distinguish between core and core print; lay out the core print; add the core; and determine parting line of a core box.

Buy from NF.

Making a core box for a tail print (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

34 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4A)

Order no. OE 350–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a core box for a tail print
see also
Fabrication d'une boîte à noyaux pour une
portée à talon

Making a core box for a vertical core (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 9)
Order no. OE 329.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Function of the sand core; how to make a half box; use parted boxes; use layout pattern in making a core box; prepare core box pieces; and assemble a core box.
Buy from NF.

Making a core box for a vertical core (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
32 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 9)
Order no. 329–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making a core box for a vertical core
see also
Fabrication d'une boîte à noyaux pour un noyau vertical

Making a fiddle bow (*Motion picture*) U. S. Veterans Administration, 1949.
8 min., sd., b&w, 16 mm. (Light mechanics series, no. 8)
Supplements the film released in 1949 with the title Prescription for work.
Summary: Illustrates the making, with simple hand tools, of a fiddle bow, an instrument used to suply power by hand for the operation of a dead center lathe or pivot polisher used in making and repairing watches, instruments, and other timing devices.
Borrow from VA. *Buy from* NF.

Making a five tuck splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
26 min., sd., b&w, 16 mm. (Aircraft work series. Control cables, no. 2)
Order no. OE 143.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to prepare the cable for splicing; make the first tuck and the four succeeding tucks; and taper, set, serve, and shellac the splice.
Buy from NF.

Making a five tuck splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
58 fr., b&w, 35 mm. (Aircraft work series. Control cables, no. 2)
Order no. OE 143–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making a girl's dress (*Filmstrip*) U. S. Dept. of Agriculture, 1951.
65 fr., b&w, 35 mm.
Order no. 694.
Summary: Shows step-by-step the processes in making a girl's dress, including a plan of working by units.
Buy from PhotoLab.

Making a hot bend (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)
Order no. MN 2337–c.
Supplementary filmstrip of same title also available.
Summary: Shows by diagrams and demonstration how to select pipe, pack with sand, heat, and bend.
Borrow from Navy. *Buy from* NF.

Making a hot bend (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.
42 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting)
Order no. SN 2337–o.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

Making a master contour template (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
18 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 1)
Order no. OE 125.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Purpose of a master contour template; how to transfer a line from a linesboard to a piece of sheet metal; measure and record bevel angles; and the importance of frequent checks for accuracy.
Buy from NF.

Making a master contour template (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
34 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 1)
Order no. OE 125–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making a master developed layout, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
20 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no .2)
Order no. OE 126.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to make the complete pattern or master developed layout for a bulkhead in an airplane fin, using a master contour template.
Buy from NF.

Making a master developed layout, part 1 (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
36 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 2)
Order no. OE 126–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making a master developed layout, part 2; and making the form block (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
16 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 3)
Order no. OE 127.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to complete the master developed layout by calculating and scribing the form block lines; how to make the form block.
Buy from NF.

Making a master developed layout, part 2; and making the form block (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
50 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 3)
Order no. OE 127–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making a matchboard pattern (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
21 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 8)
Order no. OE 328.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to sketch a matchboard; make the patterns; prepare gates to connect patterns; prepare the runner for the cope side; assemble the matchboard; turn a draft taper on a hole; and attach flask fixtures.
Buy from NF.

Making a matchboard pattern (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

41 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 8)

Order no. OE 328-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a matchboard pattern
see also
Fabrication d'une plaque-modèle

Making a one-piece flat pattern (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

22 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 1)

Order no. OE 321.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: How to identify the parts of the molding flask; use shrinkage rules; prepare a pattern layout; prepare the pieces that make up a pattern; make identical castings; and finish the patterns.

Buy from NF.

Making a one-piece flat pattern (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

37 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 1)

Order no. OE 321-fs.

With instructors manual. Supplements motion picture of the same title.

Buy from NF.

Making a one-piece flat pattern
see also
Fabrication d'un modèle plat d'une pièce

Making a pattern for a flanged pipe elbow (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

18 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 7)

Order no. OE 327.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: How to make a right-angle layout; turn out separate core prints; make split flanges; set flanges into core prints; assemble half the pattern on the layout; dowel an elbow pattern; apply leather fillets.

Buy from NF.

Making a pattern for a flanged pipe elbow (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

41 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 7)

Order no. OE 327-fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Making a pattern for a flanged pipe elbow
see also
Fabrication d'un modèle pour un coude de tuyau
à brides

Making a pattern for a machine molded steel globe and angle valve (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

14 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 340.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How machine molding affects pattern design; how a patternmaker designs and constructs a pattern for a valve body, including the gating system.

Buy from NF.

Making a pattern for a machine molded steel globe and angle valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

36 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 340-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern for a machine molded steel globe and angle valve
see also
Fabrication du modèle d'une soupage sphérique
d'équerre en acier, moulée mécaniquement

Making a pattern for a three-part mold (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

20 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 6)

Order no. OE 326.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Reasons for the three-part pattern; how to make the layout; segment the body or center section; eliminate end grain on large flanges; and turn large work on the end of the lathe.

Buy from NF.

Making a pattern for a three-part mold (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

40 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 6)

Order no. OE 326-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern for a three-part mold
see also
Fabrication d'un modèle pour un moule en trois
parties

Making a pattern requiring box construction (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

17 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 333.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How a patternmaker approaches the task of making a pattern for a duplicate of a casting; examines and measures the casting; visualizes the problem; and constructs the pattern.

Buy from NF.

Making a pattern requiring box construction (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

31 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 333-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern requiring box construction
see also
Fabrication d'un modèle exigeant la construction
d'un châssis

Making a pattern requiring cover core (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

14 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 332.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How molding and coring problems lead to the choice of a cover core: how a patternmaker designs a pattern (and core boxes) requiring a cover core; designs a cover print; and constructs a pattern for a cover pulley.

Buy from NF.

Making a pattern requiring cover core (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

35 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 332-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern requiring cover core
see also
Fabrication d'un modèle avec un noyau à
renflement

Making a pattern requiring segmental construction (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

13 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 335.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Why segmental construction is a preferred method for some patterns; how a patternmaker designs and constructs a pattern for a gear blank which requires segmental construction.

Buy from NF.

Making a pattern requiring segmental construction (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

30 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 335-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern requiring segmental construction
see also
Fabrication d'un modèle exigeant la construction
segmentaire

Making a pattern using a green and a dry sand core (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

14 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 331.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How a green sand core is molded; how a patternmaker determines when to allow for a green sand core, designs a pattern allowing for a green sand core, and visualizes and constructs a particular pattern.

Buy from NF.

Making a pattern using a green and a dry sand core (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

31 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)

Order no. OE 331-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern using a green and a dry sand core
see also
Fabrication d'un modèle utilisant un noyau de
sable vert et un noyau de sable sec

Making a pattern with a horizontal core (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

14 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 3)

Order no. OE 323.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: When to use a horizontal core; how to allow for shrinkage in bronze; lay out fillets; make horizontal core prints; true up a parting plane; dowel a pattern with a horizontal core; and turn crusher strips.

Buy from NF.

Making a pattern with a horizontal core (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

41 fr., b&w, 35 mm. (Precision wood machining series. Foundamentals of patternmaking, no. 3)

Order no. OE 323-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern with a horizontal core
see also
Fabrication d'un modèle avec un noyau horizontal

Making a pattern with a tail print (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4)

Order no. OE 324.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mold castings with holes; make a rough sketch for visualizing the actual casting; use dry sand cores; form core cavities by using tail prints; and make a layout including tail prints.

Buy from NF.

Making a pattern with a tail print (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

31 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4)

Order no. OE 324-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern with a tail print
see also
Fabrication d'un modèle avec une portée à
talon

Making a pattern with a vertical core (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

14 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 2)

Order no. OE 322.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Importance of making a preliminary sketch; how to make the layout; allow for shrinkage; allow for finish; lay out the core prints; use the layout; assemble the pattern; allow for draft; and shellac the pattern.

Buy from NF.

Making a pattern with a vertical core (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

46 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 2)

Order no. OE 322-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a pattern with a vertical core
see also
Fabrication d'un modèle avec un noyau vertical

Making a recovery bed (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
10 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576–b.
Summary: Demonstrates the procedure to be followed and the equipment and supplies needed to arrange a bed unit in the hospital ward or room to ensure a safe, warm, comfortable bed for the patient returning from surgery.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Making a segmented pattern (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.
22 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 5)
Order no. OE 325.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to plan segmentation of pattern; lay out segments and web; assemble the pattern; prepare a recessed hub; and finish the pattern.

Buy from NF.

Making a segmented pattern (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.
52 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 5)
Order no. OE 325–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making a segmented pattern
see also
Fabrication d'un modèle segmenté

Making a simple core (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
15 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 2)
Order no. OE 424.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Demonstrates how to prepare sand for coremaking; make a small cylindrical core in either one or two pieces; assemble a two-piece core; locate a vertical core in a mold to provide necessary venting. Shows how core gases escape when a mold is poured.

Buy from NF.

Making a simple core (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
31 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 2)
Order no. OE 424–fs.
Supplements motion picture of same title.
With instructor's manual.

Buy from NF.

Making a simple core
see also
Confection d'un noyau simple

Making a wire template (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)
Order no. MN 2337–b.
Supplementary filmstrip of same title also available.
Summary: Shows how to draw lay-out measurements with and without blueprints, transfer blueprints, find the radius with a beam compass, and bend a template.

Borrow from Navy. *Buy from* NF.

Making a wire template (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
23 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting)
Order no. SN 2337–n.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Making a wrapped and soldered splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
15 min., sd., b&w, 16 mm. (Aircraft work series. Control cables, no. 1)
Order no. OE 144.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to make a ball soldered terminal; prevent the wires from unlaying when cut; fit a cable to a thimble; and make the wire wrap.

Buy from NF.

Making a wrapped and soldered splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
35 fr., b&w, 35 mm. (Aircraft work series. Control cables, no. 1)
Order no. OE 144–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making an anchor bolt (*Motion picture*) U. S. Veterans Administration, 1949.
9 min., sd., b&w, 16 mm. (Light mechanics series, no. 15)
Supplements the film released in 1949 with the title Prescription for work.
Summary: Demonstrates how to use a lathe to make an anchor bolt from cold rolled steel.

Borrow from VA. *Buy from* NF.

Making an unoccupied bed (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
14 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576–a.
Summary: Demonstrates the procedures to be followed and the equipment and supplies needed to arrange a bed unit in a hospital ward or room.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Making and repairing tubing connections (*Motion picture*) U. S. Office of Education, 1944. Made by Anson Bond Productions.
18 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 5)
Order no. OE 452.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to straighten copper tubing; work, cut, and dress copper tubing; make a flare for various sizes of tubing; and sweat in a connector to cover a break.

Buy from NF.

Making and repairing tubing connections (*Filmstrip*) U. S. Office of Education, 1944. Made by Anson Bond Productions.
40 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 5)
Order no. OE 452–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Making insert patches (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
16 fr., b&w, 35 mm. (Fabric repairs series)
Order no. SN 1994–c.
Summary: Shows how insert patches are made in airplane fabric; how the fabric should be prepared and a patch cut and applied to the fabric.

Borrow from Navy. *Buy from* NF.

The making of a West Pointer (*Motion picture*) U. S. Dept. of the Army, 1955.
40 min., sd., color, 16 mm.
Order no. MF 45–8521.
Summary: Explains the origin and mission of the U. S. Military Academy, its traditions and ceremonies, and the course of study and recreational activities afforded its students.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Making pattern, core boxes, and assembling cores for a water-cooled motor block (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 339.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How a patternmaker constructs the pattern and master core boxes; checks the working core boxes; pastes up and assembles test cores.
Buy from NF.

Making pattern, core boxes, and assembling cores for a water-cooled motor block (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
32 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 339–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making pattern, core boxes, and assembling cores for a water-cooled motor block
see also
Fabrication d'un modèle, de boîtes à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau

Making sheet metal repairs (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 252.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to remove damaged area around hole and lay out trim lines; prepare hole to receive patch; "bump" out plug and doubler; mark and drill plug and doubler; and rivet completed patch to part.
Buy from NF.

Making sheet metal repairs (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
34 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 252–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Making the march graph (*Filmstrip*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
54 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 55–10.
Summary: Explains the use, preparation, and interpretation of the march graph used in planning motor vehicle movements and foot marches of soldiers. Emphasizes the methods and procedures used in constructing simplex and complex march graphs.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Making the occupied bed (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
15 mm., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576–c.
Summary: Demonstrates the procedure to be followed and the supplies and equipment needed to arrange a bed unit in the hospital room or ward while the bed is occupied by a patient.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Making three steel staffs (*Motion picture*) U. S. Veterans Administration, 1949.
6 min., sd., b&w, 16 mm. (Light mechanics series, no. 14)
Supplements the film released in 1949 with the title Prescription for work.
Summary: Demonstrates techniques in the turning of steel on a lathe and the grinding of special cutting tools.
Borrow from VA. *Buy from* NF.

Making useful articles from coconut material (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
88 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Castaway series)
Order no. SN 2306–c.
Summary: Explains the many ways in which a coconut tree may be useful to a castaway, including use of the fronds in making shelters.
Borrow from Navy. *Buy from* NF.

Malaria control on Corsica (*Motion picture*) U. S. War Dept., 1945.
13 min., sd., b&w, 16 mm.
Order no. FB 8–200.
Summary: Describes mosquito control measures taken for the prevention of malaria on Corsica, showing the destruction of breeding places, killing with sprays, screening, and individual protection.
Borrow from Army.

Malaria control on impounded waters (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.
19 min., sd., color, 16 mm.
Order no. 4–069.1.
Summary: Depicts the malaria control program for the Kentucky reservoir—planning operations; reservoir clearance before impoundage; permanent control measures including dyking and dewatering; emergency control measures including house mosquito-proofing and spraying; and reservoir operations.
Borrow from PHS. *Buy from* NF.

Malaria control series
see
Concrete ditching for malaria control
Dynamite
Pole drainage
The use of aircraft for insect control.
Part 1: Mosquito control

Malaria eradication (*Motion picture*) U. S. Information Agency, 1958. Made by Lew Pollack Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.
17 min., sd., b&w, 16 mm.
Summary: Depicts and explains the history and living habits of the anopheles mosquito—carrier of malaria; outlines preventive measures that can be and are being taken by such organizations as the World Health Organization, International Cooperation Administration, United Nations Children's Fund, Pan American Sanitary Organization, and public health services of infected areas of the world to conquer and wipe out this parasite. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Malaria; guerra ao mosquito (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Portuguese version of Winged scourge.
Summary: Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.
Buy from NF. *Cleared for tv. Prior authorization required.*

Malignant oral tumors (*Motion picture*) U. S. Dept. of the Army, 1950.

40 min., sd., color, 16 mm.
Order no. PMF 5137.

Summary: Gives the history, diagnosis, characteristics, treatment, and results of various cases of malignant oral tumors. For professional personnel.

Borrow from Army. *Buy from* NF.

Malta revisited (*Motion picture*) U. S. Dept. of the Navy, 1955.

28 min., sd., color, 16 mm.
Order no. MN 8164.

Summary: Depicts activities of Naval Air Reserve training units, including the global air cruise of one squadron, the VP 741.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Mammaplasty (*Motion picture*) U. S. Dept. of the Navy, 1958.

20 min., sd., color, 16 mm.
Order no. MED 5–58.

Summary: A technical report of a young female afflicted with heavy, pendulous breasts that were completely reconstructed by use of the McIndoe modification of the original Biesenberger operation in one stage. Demonstrates indications for mammaplasty and basic measurements to govern placement of new nipple positions. Shows complete procedure of reconstruction of the right breast with inserts of parts of the procedure on the left breast for purposes of emphasis. Results of the operation are demonstrated four weeks and six months post-operatively.

Borrow from Navy.

Man and space (*Motion picture*) U. S. Dept. of the Air Force, 1963.

23 min., sd., color, 16 mm.
Order no. SFP 1120

Summary: Reviews the Air Force Systems Command's bioastronautics life sciences program and shows how professional staffs, representing various scientific areas, conduct research and coordinate operational medical support to assure man's safety in manned space exploration. Includes a tour of Air Force aerospace medical centers illustrating diverse experiments and studies in food and oxygen supply, weightlessness, g-forces, and radiation being carried on to resolve biological and physiological problems incident to prolonged space explorations.

Borrow from AF. *Cleared for tv.*

Man and the FBM (*Motion picture*) U. S. Dept. of the Navy, 1960.

28 min., sd., color, 16 mm.
Order no. MN 9400–b.

Summary: Shows the fleet ballistic missile submarine and discusses the recruitment and training of the personnel who will operate the United States Navy's newest and most formidable nuclear weapons system. Includes scenes of the first underwater launching of the Polaris missile by submarine.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The man behind the badge (*Motion picture*) U. S. Dept. of the Air Force, 1954.

24 min., sd., b&w, 16 mm.
Order no. SEP 356.

Summary: Dramatizes the story of an attempt to sabotage B–47's at an Air Force base with the saboteurs being caught by alert air police and an effective security system.

Borrow from AF. *Cleared for tv.*

Man in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.

19 min., sd., color, 16 mm.
Order no. TF 1–5371.

Summary: Depicts the research being carried on at the School of Aviation Medicine, Brooks Air Force Base, Texas, to insure man's comfort and safety in flight. Discusses what science is doing to resolve biological problems and alleviate the emotional stresses which man will encounter when he ventures into space. Shows the intensive training conducted for U. S. Air Force Medical Service officers and airmen and medical personnel of allied nations.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The man in two places (*Motion picture*) U. S. Dept. of the Army, 1956.

27 min., sd., b&w, 16 mm.
Order no. MF 45–8712.

Summary: A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power for peace. Traces the development and increasing importance of mobility in warfare from the Revolutionary era to the policing action in Korea.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The man on the Hill
see
Your Congressman at work

Man overboard emergency drill (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Hal Reiff Studio. Released for public educational use through U. S. Office of Education, 1948.

20 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.
Order no. SN 370.

Summary: Demonstrates procedures involved in rescuing a man overboard, including the launching of a boat, signaling, and securing the boat after rescue.

Borrow from Navy. *Buy from* NF.

Man with a mission (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., b&w, 16 mm.
Order no. MF 140–7800.

Summary: Story of a typical member of the Organized Reserve Corps and his training in all fields; explains opportunities offered to young men by the Organized Reserve Corps.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The man with the torque wrench (*Motion picture*) U. S. Dept. of the Air Force, 1958.

10 min., sd., b&w, 16 mm.
Order no. TF 1–5214.

Summary: Demonstrates proper use of torquing equipment, emphasizes the importance of torquing and the serious consequences that may result from improper torquing, and shows different types of torque wrenches used by the Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Manage your career: The U. S. Army civilian career management program (*Motion picture*) U. S. Dept. of the Army, 1960.

30 min., sd., b&w, 16 mm.
Order no. MF 11–9263.

Summary: Explains the objectives, principles, and benefits of the U. S. Army civilian career management program which is designed to provide formalized education or training, self-development activities, and appropriate experience.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Management and technique of pulmonary lobectomy (*Motion picture*) U. S. Dept. of the Army, 1947.

31 min., sd., color, 16 mm.
Order no. PMF 5065.

Summary: Demonstrates the diagnosis of bronchiectasis through clinical manifestations and bronchograms, and shows extirpation of diseased lung tissue.

Borrow from Army.

Management of abdominal colostomies (intraperitoneal closures) (*Motion picture*) U. S. Dept. of the Army, 1947.

22 min., sd., color, 16 mm.
Order no. PMF 5008.

Summary: Records cases of abdominal colostomies encountered during World War II. Explains the factors essential to an evaluation of each type, and the resultant method of surgical approach. For medical personnel.

Borrow from Army.

Management of burns. Part 1: Supportive care (*Motion picture*) U. S. Dept. of the Army, 1958.
18 min., sd., color, 16 mm.
Order no. PMF 5318.
Summary: Explains the diagnosis, care, and treatment of patients suffering from burn injuries. Describes how to make an accurate appraisal of injury, how to administer sedation, and how to establish the venous life line; gives requirements for tracheotomy, and for maintaining the patient's urinary output; demonstrates planned fluid therapy, and the use of hematocrit to determine relative amounts of plasma and corpuscles in blood.
Borrow from Army. *Buy from* NF.

Management of burns. Part 2: Local care (*Motion picture*) U. S. Dept. of the Army, 1958.
15 min., sd., color, 16 mm.
Order no. PMF 5319.
Summary: Describes procedures followed in the dressing and operating rooms, including cleansing the wound, debridement of the skin, occlusive dressing treatment, air treatment, and skin grafting. Emphasizes the importance of preventing contamination of the wound.
Borrow from Army. *Buy from* NF.

Management of burns, part 3: Skin grafting (*Motion picture*) U. S. Dept. of the Army, 1959.
21 min., sd., color, 16 mm.
Order no. PMF 5320.
Summary: Depicts the operative care given to burn patients undergoing skin grafting of limbs, hands, and body areas. Illustrates and explains various techniques and methods of grafting, including removal of devitalized tissue, preparation of granulated area for grafting, selection and preparation of donor site, removal of skin from donor site, grafting on recipient area, and dressing the wound.
Borrow from Army

Management of burns, part 4: Rehabilitation (*Motion picture*) U. S. Dept. of the Army, 1959.
9 min., sd., color, 16 mm.
Order no. PMF 5321.
Summary: Describes the rehabilitation care given to burn patients to obtain maximum usage of damaged areas and prevent contracture, including optimum nutrition, hydrotherapy, infra-red light and ultraviolet light treatment, massage, active and passive exercise, functional retraining, and occupational therapy.
Borrow from Army.

Management of mass casualties. Part 6: Sorting (*Motion picture*) U. S. Dept. of the Army, 1959.
13 min., sd., color, 16 mm.
Order no. TF 8-2875.
Summary: Discusses problems associated with the identification of various types of casualties likely to be encountered in nuclear weapon warfare, where the medical personnel and facilities available are inadequate to meet the medical requirements. Describes the four major classifications into which the injured will be sorted for treatment—minimal, immediate, delayed, and expectant treatment.
Borrow from Army.

Management of mass casualties. Part 8: Management of mechanical injuries (*Motion picture*) U. S. Dept. of the Army, 1959.
20 min., sd., color, 16 mm.
Order no. TF 8-2876.
Summary: Depicts the surgical management of mechanically injured casualties, following a nuclear attack, and stresses the necessity for improvisations and modifications in standard surgical procedures in emergencies of this type.
Borrow from Army.

Management of mass casualties. Part 10: Management of psychological casualties (*Motion picture*) U. S. Dept. of the Army, 1959.
24 min., sd., b&w, 16 mm.
Order no. TF 8-2712.
Summary: Describes the doctrine and operating principles in the management of psychological casualties under nuclear disaster conditions where a disparity exists between medical requirements and available medical facilities.
Borrow from Army.

Management of mass casualties. Part 11: Burns (*Motion picture*) U. S. Dept. of the Army, 1959.
15 min., sd., color, 16 mm.
Order no. TF 8-2713.
Summary: Describes the operating principles in the management of burn casualties under nuclear disaster conditions where a disparity exists between medical requirements and available medical facilities. Salient teaching points cover self-care, electrolyte therapy, transfusion, exposure method of treatment, treatment of radiation symptoms, and surgical techniques employed in the excision of burned tissue.
Borrow from Army.

Management of spinal cord injury cases (*Motion picture*) U. S. Veterans Administration, 1947.
25 min., sd., b&w, 16 mm.
Summary: Shows physical rehabilitation treatment of spinal cord injury cases, including physiotherapy, occupational therapy, etc. Emphasizes the need for constant care and turning in bed of bedridden patients, and demonstrates the methods of handling skin grafts for bed sores.
Borrow from VA.

Management of the leprosy patient (*Motion picture*) U. S. Public Health Service, 1960.
19 min., sd., color, 16 mm.
Order no. M 302.
Summary: Discusses the work of the Public Health Service hospital at Carville, La., in treating and rehabilitating leprosy patients. Shows the effectiveness of the sulfone drugs which are the principal agents of treatment today. Explains the importance of rehabilitation which includes restoring muscular function, teaching vocational skills, and building self-confidence so that on discharge a patient can face possible non-acceptance by society.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Mandibular prognathism (*Motion picture*) U. S. Veterans Administration, 1956.
43 min., sd., color, 16 mm.
Summary: Demonstrates the two-stage operation for the correction of a mandibular prognathism. Shows in considerable detail preoperative and post-operative studies as well as the two stages of the operation (Dingman procedure). Includes inserts of X-ray studies and medical sketches demonstrating various stages in the surgical procedure.
Borrow from VA. *Buy from* NF.

Manpower bank of the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1960.
18 min., sd., b&w, 16 mm.
Order no. SEP 672.
Summary: Shows two reservists visiting the Air Reserve Records Center at Denver, Colorado, where more than one-half million records are maintained by a special terminal digit filing system. Explains that every important event in the career of the reservist is processed and entered in his service record and stresses the importance of accurate records to the reservist and to the Air Force.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

A man's appearance counts (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.
39 double fr., color, 35 mm.
Order no. C-38.
With lecture notes.
Summary: Explains factors to be considered by men in choosing clothes suited to themselves and to different occasions.
Buy from PhotoLab.

Manson's blood fluke (*Motion picture*) U. S. Public Health Service, 1948.
16 min., sd., b&w, 16 mm.
Order no. 4-084.
Summary: Demonstrates stages in the life cycle of *Schistosoma mansoni* in secondary and primary hosts; explains the biologic relationships between the blood fluke and its hosts—man and snail; and discusses the pathology of Manson's schistosomiasis in man. Primarily animation and photomicrography.
Borrow from PHS. *Buy from* NF.

Manual cutting a bevel: Freehand (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

13 min., sd., b&w, 16 mm. (Welding procedures series. Oxygen cutting, no. 2)

Order no. OE 187.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to select a tip for bevel cutting; clean a tip; adjust oxygen and acetylene pressure for bevel cutting; and cut a bevel with minimum drag.

Buy from NF.

Manual cutting a bevel: Freehand (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

45 fr., b&w, 35 mm. (Welding procedures series. Oxygen cutting, no. 2)

Order no. OE 187–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Manual cutting a shape: Freehand guided (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

16 min., sd., b&w, 16 mm. (Welding procedures series. Oxygen cutting, no. 3)

Order no. OE 188.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to make a plywood template for cutting; make a tip guide device; position a template for cutting; use the guide device; and use a circle cutting device.

Buy from NF.

Manual cutting a shape: Freehand guided (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

45 fr., b&w, 35 mm. (Welding procedures series. Oxygen cutting, no. 3)

Order no. OE 188–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Manual cutting to a line: Freehand (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

21 min., sd., b&w, 16 mm. (Welding procedures series. Oxygen cutting, no. 1)

Order no. OE 186.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to assemble an oxyacetylene cutting outfit; select the proper cutting tip; adjust oxygen and acetylene delivery pressures; adjust the preheating cutting flames; make a 90 degree freehand cut; and disassemble the cutting outfit.

Buy from NF.

Manual cutting to a line: Freehand (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

50 fr., b&w, 35 mm. (Welding procedures series. Oxygen cutting, no. 1)

Order no. OE 186–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The manual of arms (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

29 min., sd., b&w, 16 mm. (Close order drill series)

Order no. MN 291–c.

Summary: Shows how to execute order arms, inspect arms, trail arms, left and right shoulder arms, and parade rest, to fix and unfix bayonets, and to perform the rifle salutes.

Borrow from Navy. *Buy from* NF.

Map reading, basic: Azimuth conversion (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5–2407.

Summary: Covers azimuth conversion, detailing the procedure for converting grid to magnetic, and magnetic to grid. Particular attention is given to the use of the declination diagram. A field situation is used to demonstrate the method of converting the grid azimuth to the magnetic azimuth to determine a "path" to an objective.

Borrow from Army.

Map reading, basic: Azimuths (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5–2406.

Summary: Discusses the relation of azimuths to direction and, using a field situation, illustrates how azimuth is used to reach a city street destination. Gives definitions and examples of azimuth, azimuth circle, and back azimuth.

Borrow from Army.

Map reading, basic: Characteristics of contour lines (*Motion picture*) U. S. Dept. of the Army, 1957.

6 min., sd., b&w, 16 mm.

Order no. TF 5–2408.

Summary: Shows how to read contour lines on a topographic map and stresses the importance of contour line reading in combat situations. Salient teaching points cover contour lines denoting uniform, gentle, and steep slopes; concave and convex slopes; cliffs, saddle, ridge, valleys, stream junctions, and cuts and fills.

Borrow from Army.

Map reading, basic: Contour lines and intervals (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w., 16 mm.

Order no. TF 5–2409.

Summary: Explains the contour interval and the various types of contour lines printed on the map and uses contour lines denoting steep hills and gentle slopes as examples. Emphasizes that the principal key to the shape of the land is the contour line from which can be determined not only its configuration but also its elevation at any point.

Borrow from Army.

Map reading, basic: Direction (*Motion picture*) U. S. Dept. of the Army, 1957.

4 min., sd., b&w, 16 mm.

Order no. TF 5–2410.

Summary: Defines true north, magnetic north, and grid north and demonstrates the differences between them. Shows the use of the declination diagram, which indicates the actual difference in degrees between the three norths, to determine which of the three norths is desired.

Borrow from Army.

Map reading, basic: Elevation (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5–2411.

Summary: Stresses the importance of elevation detail on military maps and shows the methods used to indicate elevation. Essential teaching points cover elevation markings by means of contour lines and hachures on maps, form lines on aerial photographs, ridge and stream lines on maps and photographs, and layer tints on maps and charts.

Borrow from Army.

Map reading, basic: Intersection (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5–2412.

Summary: Uses a field situation to show how an unknown position is fixed by means of the intersection method.

Borrow from Army.

Map reading, basic: Location (*Motion picture*) U. S. Dept. of the Army, 1957.

4 min., sd., b&w, 16 mm.

Order no. TF 5–2413.

Summary: Shows how location can be determined with the aid of a military map and gives instruction on the reading of grid line coordinates, the west-east grid line, and the north-south grid line. Presents specific examples of finding location to illustrate teaching points.

Borrow from Army.

Map reading, basic: Percent of slope (*Motion picture*) U. S. Dept. of the Army, 1957.
7 min., sd., b&w, 16 mm.
Order no. TF 5–2414.
Summary: Explains the method of expressing slope as a percentage by comparing and relating a field situation to theory. Vertical and horizontal distances are computed in the field, measured on a map, and then applied to the formula for finding the percent of slope.
Borrow from Army.

Map reading, basic: Resection (*Motion picture*) U. S. Dept. of the Army, 1957.
7 min., sd., b&w, 16 mm.
Order no. TF 5–2415.
Summary: Describes how to locate an unknown position by means of the resection method. Using a hypothetical situation, demonstrates how a lost soldier determines his position by taking sights on two identifiable reference points. Particular attention is given to magnetic azimuth of both points, conversion to grid azimuth, and computation of back azimuth. The graphic method of resection is also explained.
Borrow from Army.

Map reading, basic: Scale and distance (*Motion picture*) U. S. Dept. of the Army, 1957.
5 min., sd., b&w, 16 mm.
Order no. TF 5–2416.
Summary: Describes how to determine scale and distance by use of the representative fraction and graphic scale. Problems involving the computation of scale and distance are solved by relating theory to actual map reading practices. Particular attention is given to the reference data when the representative fraction is shown, and to the different units of measurement of the graphic scales.
Borrow from Army.

Map reading, basic: Using the protractor (*Motion picture*) U. S. Dept. of the Army, 1957.
5 min., sd., b&w, 16 mm.
Order no. TF 5–2417.
Summary: Describes the problem of reaching a destination and returning by correctly using the protractor to find the right azimuth or "street" along which to travel. The patrol leader takes the audience through the problem by relating what is seen in the field to a map and applying the protractor.
Borrow from Army.

Mapping the world (*Motion picture*) U. S. Army Engineers, 1957.
26 min., sd., color, 16 mm.
Summary: Depicts the making of maps under adverse conditions. Describes the part maps play in the economic growth of undeveloped areas of the world; the use of maps by troops; and the importance of maps to the guided-missile program.
Buy from Eng. *Cleared for tv.*

The Marine Corps and close air support (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.
13 min., sd., color, 16 mm.
Order no. MH 7906.
Summary: Describes briefly the history of "close air support" as developed by the U. S. Marine Corps, and demonstrates the necessity of close coordination and teamwork between ground and air personnel.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Marine diesel engines for power boats (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm.
Order no. MN 47.
Summary: Shows the Buda marine diesel engines DA, DB, and DD; explains the mechanical operation of the DB, and its points of difference from the DD.
Borrow from Navy. *Buy from* NF.

Marine electricity series
see Shipbuilding skills series. Marine electricity

Marine gas-turbine engine: Trouble shooting (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.
16 min., sd., color, 16 mm.
Order no. FN 7407–b.
Summary: Describes the general procedure for locating the cause of trouble when a gas-turbine engine fails to start, to attain power, to keep oil pressure, or to maintain performance.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Marine gas turbine engines, principles of operation (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Academy Productions. Released for public educational use through U. S. Office of Education, 1953.
19 min., sd., color, 16 mm.
Order no. MN 7407–a.
Summary: Explains the basic principles of the gas turbine engine, variations in the design of turbines currently in use, and the applications of the gas turbine in the operation of pumps, boats, trucks, and helicopters.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Marine gas turbine engines: The Boeing 502–10C engine (*Motion picture*) U. S. Dept. of the Navy, 1960.
22 min., sd., color, 16 mm.
Order no. MN 7407–d.
Summary: Uses art, a cutaway engine model, and an engine in actual use to demonstrate the construction, operation, and maintenance of the 502–10C engine.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Marine gas turbine engines: The solar T–45 engine (*Motion picture*) U. S. Dept. of the Navy, 1960.
23 min., sd., color, 16 mm.
Order no. MN 7407–c.
Summary: Discusses the basic concept behind the gas turbine engine, its assembly and operation, unit accessories and their functions, and how to operate the unit.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Marine hymn (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
3 min., sd., b&w, 16 mm.
Summary: The U. S. Marine Corps song sung off-screen against appropriate scenes of marines in action.
Buy from NF.

Marine installations (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
63 fr., b&w, 35 mm.
Order no. SCG 176–b, formerly SG 2314.
Summary: Explains the principles of operation of the reciprocating steam engine, and demonstrates the construction and operation of multiple-expansion engines and double-acting reciprocating pumps.
Buy from NF.

Marine machinery installation series
see Shipbuilding skills series. Marine machinery installation

Marine reservists at summer camp (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.
15 min., sd., b&w, 16 mm.
Order no. MH 7498.
Summary: Explains and illustrates the type of training received by members of the U. S. Marine Corps Reserve at summer camp.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Market cattle testing for brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1962.

11 min., sd., color, 16 mm.
Summary: Describes the market cattle testing program in language of the cattleman, pointing out that MCT is the useful method for initially certifying and re-certifying modified certified brucellosis areas and that the program makes on-the-ranch testing unnecessary in 95% of the herds of cattle.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Marketing builds produce sales (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
19 double fr., color, 35 mm.
Order no. C–57.
With lecture notes.
Summary: Discusses research conducted by the Agricultural Marketing Service of the U. S. Department of Agriculture, including studies of shelf life and prepackaging of fruits and vegetables and the merchandising methods used.
Buy from PhotoLab.

Marketing cost for food (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
50 double fr., color, 35 mm.
Order no. C–51.
Summary: A series of statistical charts showing the distribution of the consumer's food dollar.
Buy from PhotoLab.

Marketing farm products abroad (*Motion picture*) U. S. Dept. of Agriculture, 1957.
17 min., sd., color, 16 mm.
Summary: Portrays the role of the USDA agricultural attachés in promoting increased use of U. S. farm products abroad.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Marketing livestock cooperatively
see
Livestock cooperatives in action

Marketing research pays off (*Motion picture*) U. S. Dept. of Agriculture, 1959.
13 min., sd., color, 16 mm.
Summary: The story of agricultural marketing research, showing USDA scientists at work improving marketing methods, reducing processing and handling costs, and expanding markets for farm products.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Marquette governor series
see Diesel engine governors series. Marquette governor

Marshall day at VMI, 1951 (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
10 min., sd., b&w, 16 mm.
Order no. MF 7865.
Summary: Activities at Virginia Military Institute, Lexington, Va., on George C. Marshall Day, May 15, 1951, including presentation of Virginia's Distinguished Service Medal to General Marshall.
Borrow from Army. *Buy from* NF.

Marshall, Gilbert, and Ellice Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Theatres of war series. Pacific area)
Order no. SN 1538–d.
Summary: Traces the history of each island group; and explains the prevailing wind and ocean currents, available native food, and characteristics of the Polynesian and Melanesian inhabitants.
Borrow from Navy. *Buy from* NF.

Mas leche (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
10 min., sd., color, 16 mm.
Spanish version of Better farming; more milk.
Summary: Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.
Buy from NF. *Cleared for tv.*

Masseter, temporal muscles and temporal fascia (*Motion picture*) U. S. Veterans Administration, 1959.
64 min., sd., color, 16 mm. (Head and neck anatomy series, no. 5)
Summary: Demonstrates, on a cadaver, an anatomical dissection of the head and neck, the temporomandibular joint, masticatory muscles, deep spaces of the face, and the third division of the trigeminal nerve.
Borrow from VA. *Buy from* NF.

Master planning: Shore station development (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Charles Elms Productions.
16 min., sd., b&w, 16 mm.
Order no. FN 8243.
Summary: Explains the general steps in the preparation of a typical master shore station development plan.
Borrow from Navy. *Buy from* NF.

Materiel handling methods in U. S. Air Force depots (*Motion picture*) U. S. Dept. of the Air Force, 1943. Released for public educational use 1961.
25 min., sd., b&w, 16 mm.
Order no. TF 1–4126.
Summary: Discusses methods of handling and moving materials in United States Air Force storage depots.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Materiel handling principles in transportation (*Motion picture*) U. S. Dept. of the Air Force, 1960.
20 min., sd., b&w, 16 mm.
Order no. SFP 1017.
Summary: Shows the waste of money, time, and man-hours when materiel handling and loading practices are faulty. Demonstrates, from shipping to receiving, the right and wrong ways to handle military cargo; emphasizes the importance of using the right equipment to transport items.
Borrow from AF. *Buy from* NF.

Materials handling equipment operation: Gantry truck and warehouse cranes (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sound Masters, inc.
21 min., sd., b&w, 16 mm.
Order no. MN 7285–b.
Summary: Shows the uses and operation of Gantry truck and warehouse cranes, and discusses safety precautions.
Borrow from Navy. *Buy from* NF.

Materials: Key to progress (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. SFP 530.
Summary: Describes the overall technical mission of the USAF Materials Research and Development Program and emphasizes the important contributions of industry and science to its progress.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Mathematics through discovery (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.
25 min., sd., b&w, 16 mm.
Summary: Shows how skilled instructors use a "learner discovery" method in teaching new concepts in mathematics at elementary and secondary school levels.
Buy from NF. *Cleared for tv.*

Mathematics: Unending search for excellence (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.

28 min., sd., b&w, 16 mm.

Summary: Demonstrates a variety of new media being used to improve mathematics instruction in elementary and secondary schools.

Buy from NF. ***Cleared for tv.***

Matrix (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

6 min., sd., color, 16 mm. (Operative dentistry series, no. 3)

Order no. MN 5369–c.

Summary: Low fusing impression compounds demonstrated as matrix reinforcement; tailored matrix applied to tooth; some reasons for failure of amalgam due to matrix application, and advantages of a reinforced matrix. For dental personnel.

Borrow from Navy. ***Buy from*** NF.

Measurement of total iron in whole blood
see
Chemical techniques: Measurement of total iron in whole blood; estimation of iron
Chemical techniques: Measurement of total iron in whole blood; preparation of a calibration curve
Chemical techniques: Measurement of total iron in whole blood; preparation of reagents

Measurement with light waves (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

15 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 174.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Principles of measurement with light waves; nature of light waves; cause of interference bands and use of these bands in ultra-precision measurement. Procedures used in gage block inspection.

Buy from NF.

Measurement with light waves (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

50 fr., b&w, 35 mm. (Engineering series)

Order no. OE 174–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Measuring and leveling (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

58 fr., b&w, 35 mm. (Surveying series)

Order no. FS 5–76.

Summary: Explains how to make horizontal measurements with tape or chain, and vertical measurements with the level, differential and profile leveling, and the techniques of using a level.

Borrow from Army. ***Buy from*** NF.

Measuring home management (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with Michigan State College, 1950.

50 double fr., color, 35 mm.

Order no. C–12.

Summary: Shows the importance of proper home management and the establishment, through research, or a standard by which the managerial ability of a homemaker can be measured.

Buy from PhotoLab.

Measuring pipe, tubing, and fittings (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 1)

Order no. OE 105.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to identify types of pipe, tubing, and fittings; use basic measuring tools; measure pipe for offsets; and make allowances for fittings and offsets in measuring pipe.

Buy from NF.

Measuring pipe, tubing, and fittings (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

48 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 1)

Order no. OE 105–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Meat cutting series
see Farm work series. Meat cutting

Meat cutting tools and equipment (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm. (The Army cook series, no. 1)

Order no. TF 10–1133.

Summary: Gives instructions for handling various kitchen knives and saws, and safety precautions to be observed in using and sharpening cutting tools.

Borrow from Army. ***Buy from*** NF.

The mechanic (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Produced by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

14 min., sd., b&w, 16 mm. (Ohio town series)

Summary: Work and life of a master mechanic in an Ohio town—his job in the factory, activities around home, a family trip to the country on Sunday.

Buy from NF.

Mechanical aids to physical security. Part 1: Perimeter barriers and personnel identification (*Filmstrip*) U. S. Dept. of the Army, 1955.

46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.

Order no. SFS 19–13.

Summary: Discusses the construction of fences, gates, and windows, explaining how they are used for security control of pedestrian and vehicular traffic. Explains personnel identification and control, including identification buttons, laminated cards, and metal badges, and discusses badge and pass control systems and devices used to prevent alteration of badges and passes.

Borrow from Army. ***Buy from*** NF.

Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems (*Filmstrip*) U. S. Dept. of the Army, 1955.

46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.

Order no. SFS 19–16.

Summary: Discusses continuous, stand-by, and movable lighting systems; telephone and radio communications systems; local and central alarm systems; and protective alarm devices such as invisible light rays, field and pneumatic pressure devices, and the inspectoscope.

Borrow from Army. ***Buy from*** NF.

Mechanical operation of the model 28 teletypewriter: Automatic typer selecting mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

11 min., sd., b&w, 16 mm.

Order no. NM 9237–b.

Summary: Shows the chain of action in the automatic typer of the model 28 teletypewriter (TT–47A/UG) from the signal generator to and through the selecting mechanism that operates the code bars.

Borrow from Navy. ***Buy from*** NF. ***Cleared for tv.***

Mechanical operation of the model 28 teletypewriter: Function mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

11 min., sd., b&w, 16 mm.

Order no. MN 9237–d.

Summary: Shows the mechanical chain of action in the function mechanism of the model 28 teletypewriter (TT–47A/UG) Emphasizes the operation of the function clutch as opposed to the main shaft clutch.

Borrow from Navy. ***Buy from*** NF. ***Cleared for tv.***

Mechanical operation of the model 28 teletypewriter: Keyboard transmitting mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

13 min., sd., b&w, 16 mm.

Order no. MN 9237–a.

Summary: Shows the mechanical operation of the keyboard transmitting mechanism of the model 28 teletypewriter (TT–47A/UG) Traces the action from the key punched to the signal generator and explains each part in the chain between keyboard and generator.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Mechanical operation of the model 28 teletypewriter: Type box positioning mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

20 min., sd., b&w, 16 mm.

Order no. MN 9237–c.

Summary: Shows by means of close live photography the chain of action of the mechanical levers that position the type box of the model 28 teletypewriter (TT–47A/UG) in the proper position so that the letter or figure key that is punched may be printed.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Mechanical packing aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

30 min., sd., b&w, 16 mm.

Order no. MN 2505.

Summary: Demonstrates how to pack a spiral wound gasket and a steam reciprocating pump rod, repack a centrifugal part, and replace packing around a condenser tube.

Borrow from Navy. *Buy from* NF.

Mechanical refrigeration: How it works (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

22 min., sd., b&w, 16 mm.

Order no. MN 2246–a.

Summary: Explains the function, theory, and operation of a refrigeration system.

Borrow from Navy. *Buy from* NF.

Mechanized trail equipment (*Motion picture*) U. S. Dept. of Agriculture, 1958.

28 min., sd., color, 16 mm.

Summary: Shows safe and proper operation of mechanized trail graders and winches, especially developed for forest trail construction and maintenance.

Rent from DA film libraries.

Medical and physical background
see Deep sea diving: Medical and physical background

Medical aspects of diving, part 1: Mechanical effects of pressure (*Motion picture*) U. S. Dept. of the Navy, 1962.

28 min., sd., color, 16 mm.

Order no. MN 8749-a

Summary: Provides information concerning the safety and personal efficiency of persons concerned with diving and underwater swimming. Uses live and animated photography to portray physiological pressure stresses.

Borrow from Navy. *Buy from* NF.

Medical aspects of diving, part 2: Effects of elevated partial pressures of gases (*Motion picture*) U. S. Dept. of the Navy, 1962.

28 min., sd., color, 16 mm.

Order no. MN 8749-b

Summary: Explains how the body is affected by what one breathes. Discusses the physical laws relating to the partial pressures of gases and the problems of deep sea diving and underwater swimming, the causes and symptoms associated with nitrogen narcosis, decompression sickness, oxygen toxicity, anoxia, and carbon dioxide poisoning.

Borrow from Navy. *Buy from* NF.

Medical aspects of high intensity noise: Ear defense (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

21 min., sd., b&w, 16 mm.

Order no. MN 9318–c.

Summary: Points out the hazards associated with high noise levels produced by jet aircraft and other noisy equipment found ashore and aboard ship. Describes the nature of noise, its effect on hearing, and various devices that are used for the protection of hearing.

Borrow from Navy. *Buy from* NF.

Medical aspects of high intensity noise: General effects (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

21 min., sd., b&w, 16 mm.

Order no. MN 9318–a.

Summary: Explains the increasingly serious hazards of high intensity noise; describes the nature of noise and some of its physiological and psychological effects; and gives examples of sounds of extreme intensity approximating conditions found near jet aircraft, artillery, and other noise-producing equipment.

Borrow from Navy. *Buy from* NF.

Medical aspects of nuclear radiation (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

20 min., sd., color, 16 mm.

Order no. MF 8–7897.

Summary: Explains effects of radiation upon the human body, internal and external radiation hazards, and the relative gravity of the hazards of nuclear radiation, blast, and heat.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Medical certification of the causes of death (*Motion picture*) U. S. Public Health Service, 1963.

17 min., sd., color, 16 mm.

Order no. M–624

Adapted from the 1951 filmstrip of the same title.

Based on the 1958 U. S. Public Health Service publication entitled Physician's handbook on death and birth registration.

Summary: Interprets the procedure for proper completion of the certificate of death. Uses animation and live action to demonstrate the steps in certification, explain the uses of the certificate, and amplify the reasons for correct procedure.

Borrow from PHS. *Buy from* NF.

The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

32 min., sd., color, 16 mm.

Order no. PMF 5058.

Summary: Gives an explanation of nuclear physics, fission and general reaction, thermal energy and mechanical force, nuclear radiation and ionizing effects; and portrays the physical destruction and casualty effects of atomic bombing.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

37 min., sd., color, 16 mm.

Order no. PMF 5148.

Summary: Explains the thermal, traumatic, and radiation effects of atomic bombing; clinical observations; medical diagnosis and prognosis; and includes pathological material for illustrative purposes. For medical personnel only.

Borrow from Army. *Buy from* NF.

The medical examination. Part 1: Importance (*Motion picture*) U. S. Dept. of the Army, 1949.

19 min., sd., b&w, 16 mm.

Order no. TF 8–1536.

Summary: Explains the importance of the medical examination, the attitude of the examining doctor, and the relationships existing between doctor, patient, and administrator.

Borrow from Army.

The medical examination. Part 2: Medical history (*Motion picture*) U. S. Dept. of the Army, 1950.
17 min., sd., b&w, 16 min.
Order no. TF 8–1537.
Summary: Explains the importance of knowing the medical past of the patient prior to medical examination. Shows how to ascertain and record the case history, and evaluates the patient's physical handicaps in relation to his occupational duties.
Borrow from Army.

The medical examination. Part 3: Examination (*Motion picture*) U. S. Dept. of the Army, 1950.
19 min., sd., b&w, 16 mm.
Order no. TF 8–1538.
Summary: Depicts the importance of the medical examination in total; explains the role each specialist plays in giving an overall medical picture of each patient; describes methods of making the examination.
Borrow from Army.

Medical laboratory techniques series
see
- Chemical techniques: Basic techniques of pipetting
- Chemical techniques: Blow-out pipets
- Chemical techniques: Burettes
- Chemical techniques: Estimation of blood glucose; Folin-Wu and Somogyi methods
- Chemical techniques: Estimation of blood glucose; Sunderman-Fuller method
- Chemical techniques: Folding a filter paper
- Chemical techniques: Measurement of total iron in whole blood; estimation of iron
- Chemical techniques: Measurement of total iron in whole blood; preparation of a calibration curve
- Chemical techniques: Measurement of total iron in whole blood; preparation of reagents
- Chemical techniques: Oxyhemoglobin method for measuring hemoglobin
- Chemical techniques: Pipettors
- Chemical techniques: Protein-free filtrate; Folin-Wu method
- Chemical techniques: Protein-free filtrate; Somogyi method
- Chemical techniques: Protein-free filtrate; tungstic acid method
- Chemical techniques: Special pipets
- Chemical techniques: Transfer pipets
- Chemical techniques: Volumetric flasks
- Hematological technique: Collecting blood samples
- Hematological technique for charging the hemocytometer
- Histopathological technique: Processing a gross specimen
- Serological technique: Venipuncture
- VDRL slide qualitative test with serum

Medical minute men (*Motion picture*) U. S. Dept. of the Air Force, 1955.
9 min., sd., b&w, 16 mm.
Order no. SFP 353.
Summary: Explains the functions and duties of the U. S. Air Force Medical Reservists.
Borrow from AF. *Cleared for tv.*

Medical officer aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1957.
19 min., sd., b&w, 16 mm.
Order no. MN 8265
Summary: Surveys the duties of the medical officer as a clinician, department head, expert on combat medical matters, teacher, and preventive medicine officer, and illustrates these responsibilities by portraying the life of a medical officer aboard a cruiser.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Medical planning for a task force operation (*Motion picture*) U. S. Dept. of the Army, 1952.
32 min., sd., b&w, 16 mm.
Order no. TF 8–1761.
Summary: Demonstrates long-term medical planning required by a joint Army-Navy-Air Force operation, and explains the responsibility of the task force surgeon in coordinating each phase of medical planning.
Borrow from Army. *Cleared for tv.*

Medical research (*Motion picture*) U. S. Veterans Administration, 1957. Made by U. S. Dept. of Agriculture.
28 min., sd., color, 16 mm.
Summary: Portrays and explains some of the Veterans Administration research activities; particularly in tuberculosis, cancer, and cardiovascular research.
Borrow from VA. *Cleared for tv.*

Medical research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Audio Productions.
22 min., sd., color, 16 mm.
Summary: Demonstrates the need for reactors in medical research and defines the design criteria. Shows the reactor and its components during construction and assembly. Uses animation to show the operation of the reactor and shutters controlling its neutron beams. Includes a neutron-capture therapy experiment sequence at the Brookhaven graphite reactor which can be compared with the patient treatment facility at the new medical reactor.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Medical Service Corps
see The big picture: Medical service corps

Medical service in the jungle (*Motion picture*) U. S. War Dept., 1944.
20 min., sd., b&w, 16 mm.
Order no. FB 8–147.
Summary: Depicts the difficulties encountered in jungle medical service, and shows how combat medical troops meet the problems.
Borrow from Army.

Medical Supply Service, U. S. Army, part 1: Organization and administration (*Motion picture*) U. S. Dept. of the Army, 1961.
28 min., sd., b&w, 16 mm.
Order no. TF 8–3031.
Summary: Defines the basic concepts, missions, organizations, and administration program of the Army Medical Supply Service established January 1, 1957. Describes the modern techniques of supply management.
Borrow from Army.

Medical Supply Service, U. S. Army, part 2: Operations at class I, class II, and overseas installations (*Motion picture*) U. S. Dept. of the Army, 1961.
27 min., sd., b&w, 16 mm.
Order no. TF 8–3032.
Summary: Describes the work of the Army Medical Supply Service in the continental United States and overseas. Defines the primary and secondary missions of the Army Medical Depot, shows the activities of a class I and class II installation, and describes the distribution systems used overseas.
Borrow from Army.

Medicine in action series
see
Breakbone fever, "dengue"
Head injury, report of a battle casualty
Multiple wounds, report of a battle casualty
Pacific enemy, malaria
Soft tissue wounds
Trench foot
Typhus in Naples

Meeting at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-m.
Summary: Shows five basic meeting situations and the proper night whistle signals on the ocean, in inland waters, and in narrow channels; explains the causes of head-on collisions; and shows emergency action signals.
Borrow from Navy. *Buy from* NF.

Meeting steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
18 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202-k.
Summary: Gives examples of steam vessels meeting on the ocean and in inland waters; demonstrates whistle signals for various situations; and shows how to figure the degree of a vessel's turn at various distances.
Borrow from Navy. *Buy from* NF.

Meeting the needs of our school lunch customers (*Filmstrip*) U. S. Dept. of Agriculture, 1962.
102 fr., color, 35 mm.
Order no. C-88
Summary: Portrays successful school lunch programs throughout the United States.
Buy from Photo Lab.

Mejorando el trabajo (*Motion picture*) U. S. Office of Education [1959?]
9 min., sd., b&w, 16 mm.
Order no. OE 163-Sp.
Spanish version of the 1944 motion picture entitled Improving the job.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Describes the worthwhile work-improvement suggestions made by an employee who is asked by his supervisor to make suggestions.
Buy from NF.

Mejores herramientas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of From small beginnings.
Summary: Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.
Buy from NF. *Cleared for tv.*

Melanesia (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
81 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min. (Theatres of war series. Pacific area)
Order no. SN 1538-a.
Summary: Shows the terrain and natives of New Caledonia, New Hebrides, Solomon Island, and the Bismarck Archipelago; and explains the strategic importance of Melanesia in World War 2.
Borrow from Navy. *Buy from* NF.

Melting and refining of stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.
23 min., sd., color, 16 mm.
Order no. 240.
Summary: Shows the operation of a 50-ton electric furnace from charging the furnace to pouring the melt into ingots, and closes with a list of articles made of stainless steel.
Borrow from BM. *Cleared for tv.*

Melting practice series
see **Foundry work series. Melting practice**

The membrane filter (*Filmstrip*) U. S. Public Health Service, 1959.
80 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 386.
Summary: Describes the use of the membrane filter, its advantages and disadvantages over other methods used for the examination of water, and the latest techniques, procedures, and equipment required for its use.
Borrow from PHS. *Buy from* NF.

Memorandum on security (*Motion picture*) U. S. Dept. of the Army, 1959.
9 min., sd., color, 16 mm.
Project No. 67022.
Summary: Shows research activity being carried on in various universities, research centers, and industrial laboratories for the Department of Defense, and explains the purpose of security regulations and procedures required to enforce them. Includes scenes of Deputy Secretary of Defense Donald A. Quarles, and emphasizes the importance of security in defense research activity. Intended primarily for scientific and engineering personnel working on critical research projects for the Department of Defense.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Memorial day (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by United World Films.
21 min., sd., b&w, 16 mm.
Order no. MN 7372.
Summary: Tells the story of a small New England town's observance of Memorial Day with special emphasis on the part played in it by a young sailor who has just returned from active duty in Korea.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Memphis Belle (*Motion picture*) U. S. Army Air Forces, 1944.
42 min., sd., color, 16 mm.
Order no. SFP 114.
Summary: Portrays a bombing mission over Germany during World War II, including preparations for the raid, the take-off from England, the flight, bombing the submarine base at Wilhelmshaven, and the return to base.
Borrow from AF. *Cleared for tv.*

Men and mail in transit (*Motion picture*) U. S. Post Office Dept., 1956. Made by U. S. Dept. of Agriculture.
27 min., sd., b&w, 16 mm.
Summary: Shows postal transportation clerks how to perform their duties on the RPO (railway post office) or HPO (highway post office)
Borrow from PO. *Cleared for tv.*

Men and planes (*Motion picture*) U. S. Dept. of the Air Force, 1955.
8 min., sd., b&w, 16 mm.
Order no. SFP 370.
Summary: Describes the annual bombing contest conducted by the Strategic Air Command at Barksdale Air Force Base in Louisiana.
Borrow from AF. *Cleared for tv.*

Men and the sea (*Motion picture*) U. S. Office of War Information, Domestic Branch, in cooperation with U. S. Maritime Commission, 1942. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
Summary: How U. S. merchant seamen were trained in seamanship, signaling, gunnery, radio operation, etc., during World War II.
Buy from NF.

Men 17 and 18½, your future and the new reserve law (*Motion picture*) U. S. Dept. of the Army, 1955.
12 min., sd., b&w, 16 mm.
Order no. MF 45–8589.

Summary: Explains the provisions of the Reserve forces act of 1955, and shows how a reservist is trained in military skills during the 6-month active duty period at an army camp and subsequently at local military reserve units.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Men who fish (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
30 min., sd., b&w, 16 mm.

Summary: Shows how a fishing cooperative association in Japan, established since World War II, is gradually improving living conditions of the fishermen of Japan. Prepared for use in occupied areas, particularly in Japan.

Buy from NF.

Men who grow cotton (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Agricultural Extension Services of the Cotton States, 1947.
21 min., sd., color, 16 mm.

Summary: Traces the historical development and shows the present status (1947) of cotton, its importance to the South and to the nation, and its future problems and possibililies.

Rent from DA film libraries. *Cleared for tv.*

Men, women, and children (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1954.
28 min., sd., color, 16 mm.

Summary: Portrays a group of young school boys (Smokey Bear's Junior Forest Rangers) determined to do something about the loss of a school forest through fire. Shows how everyday unsafe habits of people can cause forest fires through negligence and thoughtlessness, pointing out that they "didn't mean to start a forest fire." Emphasizes safe habits in the forest.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The mental status examination (*Motion picture*) U. S. Public Health Service, 1962.
40 min., sd., b&w, 16 mm.
Order no. MIS 561

Summary: Demonstrates techniques of initial or mental status interviews in psychiatric practice. For professional personnel.

Borrow from PHS. *Buy from* NF.

Mercados asseiados (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Portuguese version of The sanitary market.

Summary: Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

Buy from NF. *Cleared for tv.*

Mercados higiénicos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Spanish version of The sanitary market.

Summary: Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

Buy from NF. *Cleared for tv.*

Merchant marine safety (*Motion picture*) U. S. Coast Guard, 1962.
28 min., sd., color, 16 mm.

Summary: Defines the responsibilities of the Coast Guard in merchant marine safety: inspection and approval of blueprints for vessel construction; provision for safety requirements for construction and equipment of vessels and for annual or periodic inspections thereafter; licensing and certification of officers and crews of vessels. Describes various type of vessels with which the Coast Guard is concerned.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Mess management: Conservation control in the management of a mess (*Motion picture*) U. S. Dept. of the Army, 1956.
14 min., sd., b&w, 16 mm.
Order no. TF 10–2243.

Summary: Explains the basic functions of mess management, and the importance of meal planning. Discusses on-the-job training of mess personnel, and the functions and responsibilities of the mess officer, food adviser, and unit commanders.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Mess personnel: Profit and loss in the kitchen (*Motion picture*) U. S. Dept. of the Army, 1956.
18 min., sd., color, 16 mm.
Order no. TF 10–2242.

Summary: Discusses techniques of controlling waste in the kitchen, including hoarding, inspection of supplies upon receipt, storage methods, operation of kitchen equipment, use of leftovers, use of meat and vegetable trimmings, use of incidental nutrients derived from cooking, prescribed cooking practices, proper serving of food, salvage control, and vermin and rodent control.

Borrow from Army. *Buy from* NF.

Mess sanitation (*Motion picture*) U. S. Dept. of the Army, 1956.
25 min., sd., b&w, 16 mm.
Order no. TF 8–2295.

Summary: Explains mess sanitation principles and demonstrates procedures which have proven effective in the control and prevention of diarrheal diseases in the Armed Forces. Covers the storage of foods, preparation of meals, serving of meals, care of leftovers, garbage disposal, and control of flies.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Mess sanitation, part 1 (*Motion picture*) U. S. Dept. of the Army, 1954.
4 min., sd., b&w, 16 mm.
Order no. MF 8–8237.

Summary: Explains the use of proper garbage disposal facilities to keep away harmful bugs carrying the dysentery germ, how to dig a hole to bury refuse, and the disposal of empty ration cans to get rid of flies.

Borrow from Army. *Buy from* NF.

Mess sanitation, part 2 (*Motion picture*) U. S. Dept. of the Army, 1954.
4 min., sd., b&w, 16 mm.
Order no. MF 8–8238.

Summary: Stresses the importance of cleanliness at all times, especially prior to eating, and of the disposal of leftovers in order to avoid breeding and feeding flies and to prevent dysentery.

Borrow from Army. *Buy from* NF.

Mess sanitation, part 3 (*Motion picture*) U. S. Dept. of the Army, 1954.
5 min., sd., b&w, 16 mm.
Order no. MF 8–8239.

Summary: Emphasizes the need for thorough rinsing of mess kits before and after meals and for taking necessary precautions to prevent dysentery.

Borrow from Army. *Buy from* NF.

Message to women (*Motion picture*) U. S. Public Health Service, 1945. Made by Hugh Harmon Productions.
20 min., sd., color, 16 mm.
Technicolor.

Summary: Explains facts about gonorrhea and syphilis; illustrates by animated charts the effects of these diseases upon women; emphasizes the importance of knowing about these diseases.

Borrow from PHS.

Metal fabrication series
see Aircraft work series. Metal fabrication

The metalsmith's tool kit (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1943.
57 fr., b&w, 35 mm.
Order no. SN 926.
Summary: Shows the various kinds of tools used by the aviation metalsmith.
Borrow from Navy. *Buy from* NF.

A method of mixing silicate cement (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1953.
8 min., sd., color, 16 mm.
Summary: Demonstrates a new method of mixing silicate cements in a closed container whereby the maximum amount of powder is incorporated into a given quantity of liquid independent of atmospheric conditions. Actual restorations in the mouth show how these laboratory findings may be used in dental practice. For dental personnel.
Borrow from NBS. *Buy from* NBS.

Method of repair of posterior tibial nerve (*Motion picture*) U. S. Dept. of the Army, 1949.
10 min., sd., color, 16 mm.
Order no. PMF 5132.
Summary: Shows how to repair long defects in the peripheral nerve by bridging a large gap in the tibial nerve through wide dissection and flexion of the knee joint. For medical personnel.
Borrow from Army.

Method of teaching combat surgery (*Motion picture*) U. S. Dept. of the Army, 1958.
16 min., sd., color, 16 mm.
Order no. PMF 5324.
Summary: Depicts the new method of teaching the principles and techniques of traumatic surgery in combat. Describes the old didactic method of instruction and presents the new method as employed at the Army Medical Service School, Brooke Army Medical Center, Fort Sam Houston, Texas.
Borrow from Army.

Methods and materials employed for model construction at the NACA Langley Laboratory (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.
25 min., sd., color, 16 mm.
Order no. TF 27.
With script showing sources of materials.
Summary: Shows the materials and equipment, the procedures, and the methods used by the NACA, at one of its laboratories, in constructing aerodynamic research models. Also shows the construction of several models. For use by technical personnel and those concerned with the construction of research models.
Borrow from NASA.

Methods of operating valves (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational purposes through U. S. Civil Aeronautics Administration, 1946.
50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Hydraulic valves)
Order no. SN 1809–e.
Summary: Uses schematics and straight photography to explain manual, mechanical, electrical, and hydraulic valves, and combinations of these types.
Borrow from Navy.

Methods of processing plastics materials (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
25 min., sd., b&w, 16 mm. (Plastics series, no. 2)
Order no. OE 467.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: Fundamentals of the compression, transfer, extrusion, and injection molding methods; finishing of molded parts; fundamentals of lamination; and machining of laminated and other plastics products.
Buy from NF.

Methods of processing plastics materials (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
68 fr., b&w, 35 mm. (Plastics series, no. 2)
Order no. OE 467–fs.
Supplements motion picture of the same title.
With instructor's manual.
Buy from NF.

Methods of starting the engine (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
45 fr., b&w, 35 mm.
Order no. SN 123.
Summary: Shows how an engine may be started by the following methods: by pulling the propeller, with a shock cord, direct hand crank, combustion starter, the inertia starter (hand and electric operated), and direct electric starter.
Borrow from Navy.

Mexican fiestas series
see
The bounteous earth
Fiestas of the hills
Fire and water
Sky dancers of Papantla

Mexico builds a democracy (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.
20 min., sd., color, 16 mm.
Summary: Shows rural education in Mexico, including the program of the government boarding schools for teachers and the work of an itinerant instructor.
Buy from NF.

Microdeformation of uranium (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.
17 min., sd., color, 16 mm.
Summary: Pictures changes in the microstructure of uranium as a consequence of tensile loading and thermal treatment, showing studies accomplished by means of hot stage metallography. Includes formation of twin and kink bands, distortion at grain boundaries, fracturing, recrystallization, deformation due to thermal gradients, and microstructural changes associated with thermal cycling through the alpha-to-beta and the beta-to-gamma transformations.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Microdissection applied to mosquito identification (*Filmstrip*) U. S. Public Health Service, 1953.
44 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 1.
Summary: Explains the values, for identification purposes, of properly dissected male mosquito terminalia, preparation of the apparatus for microdissection, the microdissection, mounting parts of the terminalia, and examining them microscopically.
Borrow from PHS. *Buy from* NF.

Microfilariae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.
4 min., si., color, 16 mm. (Parasitology series)
Order no. 4–058.
Summary: Cinemicrography of activity of diurnally periodic microfilariae of *Wuchereria bancrofti* from the blood of a soldier infected in the Society Islands.
Borrow from PHS. *Buy from* NF.

The micrometer (*Motion picture*) U. S. Office of Education, 1941. Produced by Loucks & Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 2)
Order no. OE 2.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Various types of micrometers; how to use a micrometer, read the barrel and thimble scales, check the accuracy of readings, and take care of the instrument.
Buy from NF.

The micrometer (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
38 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 2)
Order no. OE 2–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The micrometer
see also
El micrómetro

El micrómetro (*Motion picture*) U. S. Office of Education [1959?]

15 min., sd., b&w, 16 mm.
Order no. OE 2–Sp.
Spanish version of the 1941 motion picture entitled The micrometer.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Shows various types of micrometers; demonstrates how to use a micrometer, how to read the barrel and thimble scales, how to check the accuracy of readings, and how to take care of the instrument.
Buy from NF.

Microorganisms of gas gangrene (*Motion picture*) U. S. Public Health Service, 1954.
9 min., si., color, 16 mm.
Order no. M 154.
Summary: Shows species of *Clostridium* causing gas gangrene, the morphological characteristics of these bacteria, and studies of the bacteria in various cultures.

Borrow from PHS. *Buy from* NF.

Microscopic study and isolation of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1950.
13 min., sd., b&w, 16 mm. (Laboratory diagnosis of diphtheria series, no. 1)
Order no. 4–088.
With utilization guide.
Summary: Presents procedures for isolating pure cultures of *Corynebacterium diphtheriae* from throat and nasal swabs of a patient with suspected diphtheria. Includes photomicrographs of organisms.

Borrow from PHS. *Buy from* NF.

Microwave oscillators (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
18 min., sd., b&w, 16 mm.
Order no. TF 11–1567.
Summary: Explains the magnetron and klystron and the basic theory of operation of each.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Middle East problem with Dr. Charles Malik (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
46 min., sd., b&w, 16 mm.
Order no. WA 5.
Summary: Dr. Charles Malik, Foreign Minister of Lebanon, discusses the Middle East with students of the National War College, and such questions as: Would the Middle East welcome American troops? What further steps should be taken by the U. S. to restore order and stability in the Middle East? What are the prospects of acceptance of Israel by the Arab States? What collective security arrangements should be made in the Middle East? Would the Middle East support international control of the Suez Canal? How strong is the Soviet threat in the Middle East? Mr. Ernest K. Lindley of Newsweek acts as moderator.
Borrow from Army. *Cleared for tv.*

Milestones in missilery (*Motion picture*) *U. S. Dept. of the* Army, 1961.

10 min., sd., color, 16 mm.
Order no. MF 45–9529
Summary: Describes outstanding milestones in missile development and testing accomplished at the White Sands Missile Range, New Mexico, since the early test firings of the V2 rocket in 1945. Shows scenes of actual test firings of Nike Ajax, Nike Hercules, Nike Zeus, Hawk, Corporal, Honest John, Little John, LaCrosse, Sergeant, and Redstone.

Borrow from Army. *Buy from* NF.

Milford, U. S. A. (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

20 min., sd., b&w, 16 mm. (The home nursing story, no. 10)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses disaster preparedness, showing simulated disaster exercises in a Red Cross shelter and in a fallout shelter.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

Milho, o grão que foi o alicerce de um hemisfério (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Released by U. S. Institute of Inter-American Affairs, 1947.
11 min., sd., color, 16 mm.
Portuguese version of The grain that built a hemisphere.
Summary: Traces the history of corn and its importance in the development of civilization; and describes its uses today.
Buy from NF. *Cleared for tv. Prior authorization required.*

Military courtesy (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., b&w, 16 mm.
Order no. TF 21–1965.
Summary: Explains the purpose and customs of military courtesy, cites the salute as a significant form of military courtesy and discusses the how, when, and why of saluting. Covers other forms of military courtesy, such as proper conduct of the soldier in the presence of officers, responsibilities of officers in relation to military courtesy, and proper off-duty conduct of soldiers.
Borrow from Army.

The military funeral (*Motion picture*) U. S. Dept. of the Army, 1952.
48 min., sd., b&w, 16 mm.
Order no. TF 16–1753.
Summary: Gives instructions for officers-in-charge and chaplains in correct military funeral procedure, including listing of necessary personnel to participate in the ceremony, instructing key personnel, interviewing the next of kin, chapel service, procession to the grave, graveside service, and departure from the grave.

Borrow from Army. *Buy from* NF.

Military immunization: General procedures (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.
24 min., sd., b&w, 16 mm.
Order no. MN 8568–a.
Summary: Depicts the procedures which enable a small team of medical personnel to immunize large groups of men safely and speedily; stresses the proper planning and organization, and the use of an individual sterile syringe and needle for each injection.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Military immunization: Smallpox vaccination (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.
12 min., sd., color, 16 mm.
Order no. MN 8568–b.
Summary: Depicts the procedures for smallpox vaccination and for observing and recording the effects of vaccination. Covers such items as storage and handling of the vaccine, cleansing of the vaccination site, use of the multiple pressure technique, and the recognition of primary, immediate, and accelerated reactions.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Military instruction series
see
Principles of learning
Speech techniques
The stages of instruction: Application, examination, and review or critique
The stages of instruction: Preparation
The stages of instruction: Presentation
Training aids

Military justice (*Motion picture*) U. S. Dept. of the Air Force, 1954.
94 min., sd., b&w, 16 mm.
Order no. TF 1–4890.
Summary: Explains the procedures of general court martial under the Uniform code of military justice through a dramatized story of a young airman accused of stealing money from a barracks mate. Describes the pre-trial investigation, the trial, and review by the judge advocate and the Court of Military Appeals.
Borrow from AF. *Cleared for tv.*

Military lady (WAC) (*Motion picture*) U. S. Dept. of the Army, 1959.
37 min., sd., b&w, 16 mm.
Order no. TF 35–2781.
Summary: Portrays the role of the Women's Army Corps of the United States Army and describes the advantages of a career for women with the Army in terms of salary, education, and occupational opportunities.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military medicine (*Motion picture*) U. S. Dept. of Defense, 1962.
19 min., sd., b&w, 16 mm.
Order no. AFIF 117
Summary: A report on the advances made in military medicine, touching on resuscitation techniques, management of burn victims, the jet injection gun, and the fight against yellow fever, schistosomiasis, malaria, and cholera. Research goals and accomplishments in tissue grafting, nuclear medicine, submarine medicine, and aerospace medicine are described.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military oceanography: Bathythermograph observations (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., color, 16 mm.
Order no. MN 6832–a.
Summary: Explains the features and operation of a bathythermograph; and demonstrates its lowering and recovery, removal of the slide, and proper care of the bathythermograph.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Military oceanography: Occupying an oceanographic station (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.
29 min., sd., color, 16 mm.
Order no. MN 6832–b.
Summary: Shows the principal design features of Nansen bottles; drawing water samples; reading and recording temperatures at depth of sampling; analyzing samples for oxygen and chloride content; and recording data.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Military pipeline operations
see
Installation of pumping stations
Laying pipelines
Operation and maintenance of pipeline systems

Military pipeline system: CBI theater (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
24 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR–E–7.
Summary: The story of a pipeline built by American troops in difficult terrain under hazardous conditions.
Borrow from Army. *Buy from* NF.

Military police approach: Vehicles (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
11 min., sd., b&w, 16 mm.
Order no. TF 19–1797.
Summary: Shows the proper methods to be used by military police motor patrols in overtaking a vehicle and making an arrest. Portrays the procedure to be used when apprehending a motorist for a traffic violation, and the methods to be used in overtaking and apprehending criminals.
Borrow from Army.

Military police duties at traffic accidents (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 19–1800.
Summary: Demonstrates eight rules of procedure in handling traffic accidents: proceed to scene quickly but safely; care for injured and protect property; establish traffic control in vicinity; secure accident investigation facts; secure a statement; complete driver's accident report; clear scene and complete report; and recheck the report.
Borrow from Army.

Military police on trains (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use, 1956.
34 min., sd., b&w, 16 mm.
Summary: Demonstrates the duties and responsibilities of the mili-
Order no. TF 19–1552.
tary police and shore patrol on train patrol and in railroad and bus stations. Emphasizes the tactful and diplomatic requirements.
Borrow from Army.

The military police story (*Motion picture*) U. S. Dept. of the Army, 1954.
33 min., sd., b&w, 16 mm.
Order no FB 19–287.
Summary: Training, duties, and responsibilities of the Military Police Corps. Shows MP activities in Germany and Korea today.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military police support in amphibious operations (*Motion picture*) U. S. Dept. of the Army, 1953.
14 min., sd., b&w, 16 mm.
Order no. TF 19–1806.
Summary: Explains the duties and functions of the U. S. Military Police in a combined amphibious assault.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military police town patrol. Part 1: Foot patrols (*Motion picture*) U. S. Dept. of the Army, 1956.
36 min., sd., b&w, 16 mm.
Order no. TF 19–2111.
Summary: Explains to military police personnel the basic mission of foot patrols in town, and the techniques involved in carrying out specific duties. Includes planning of foot patrols, organization of patrol, preparation for mission, familiarization with specific patrol route, how to advise and assist soldiers, and how to preserve order and enforce military regulations.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military police town patrol. Part 2: Motor patrols (*Motion picture*) U. S. Dept. of the Army, 1955.
16 min., sd., b&w, 16 mm.
Order no. TF 19–2112.
Summary: Explains the responsibilities and techniques involved in motor patrolling, showing how motor patrols are organized and how patrol missions are performed. Follows the activities of a typical motor patrol, including cruising in a patrol area, visiting off-limits night-clubs and taverns, handling an intoxicated soldier, quelling a brawl, and apprehending an intoxicated driver.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military roads and runways series
see
Bases and untreated surfaces
Clearing, grubbing, and rock work

Military roads series
see
Drainage
Gravel and rock surfaces
Road expedients
Subgrade preparation

Military rock climbing: Movement of combat units (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm.
Order no. TF 7-1480.
Summary: Shows how men with certain types of equipment can move and operate in mountain areas; explains the use of field expedients, handling organizational equipment, transporting sick and injured, and precautions for individual climbers.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Military rock climbing: Technique of climbing (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
32 min., sd., b&w, 16 mm.
Order no. TF 7-1475.
Summary: Shows the organization of two and three man "climbing teams," equipment and its use, climbing technique for various types of formations, and types of holds and knots.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Military Sea Transportation Service: Cabin passengers (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.
20 min., sd., b&w, 16 mm.
Order no. MN 7832-c.
Summary: Discusses problems encountered while traveling by MSTS transport; explains procedures and describes the facilities and limitations aboard ship. Points out what is required of passengers.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Military Sea Transportation Service, introduction (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Warner News.
19 min., sd., b&w, 16 mm.
Order no. MN 7832-a.
Summary: Explains the functions, organization, and operations of the Military Sea Transportation Service of the U. S. Navy. Includes scenes of embarkation and debarkation of troops and dependents, living conditions aboard ship, and the transportation of materials and equipment.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Military Sea Transportation Service: Troop transportation (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.
20 min., sd., b&w, 16 mm.
Order no. MN 7832-b.
Summary: Illustrates the problems and procedures involved in the formation, functions, and duties of the advance parties and voyage staffs aboard MSTS transports. Defines authority, zones of responsibility, and the proper administration of troops during embarkation, at sea, and during debarkation.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Military stevedoring series
see
Cargo handling gear, basic operation
Drafts and slings
Expedients
Heavy lifts
Straps and transportation bridles
Vehicle loading and stowing
Winches and booms

Military Traffic Management Agency (*Motion picture*) U. S. Dept. of Defense, 1959.
28 min., sd., color, 16 mm.
Order no. Project 32017.
Summary: Depicts the mission and operations of the Military Traffic Management Agency and its relations with and dependence upon commercial carriers.
Borrow from Army. *Buy from* NF.

Milk and public health (*Motion picture*) U. S. Public Health Service, 1951.
12 min., sd., b&w, 16 mm.
Order no. M 7.
Summary: Points out the dangers of haphazard milk production, the resultant public health problem, and the need for regulatory legislation; and reviews, through the reminiscences of an old-time farmer, the steps taken to insure healthy cows, sanitary equipment and supplies, and other hygienic methods throughout the production and processing of milk.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Milk sanitation series
see
Cleaning-in-place for pasteurization plants

Milling a circular T-slot (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 5)
Order no. OE 76.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mill a circular T-slot in solid metal; use a rotary table for continuous circular milling; use a two-lip end mill, end mill, and T-slot cutter; and use a dial indicator with a test bar in aligning a table.
Buy from NF.

Milling a circular T-slot (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
27 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 5)
Order no. OE 76-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Milling a foundation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Shipbuilding skills series. Outside machinist)
Order no. MN 2348-c.
Supplementary filmstrip of same title also available.
Summary: Demonstrates the set-up and operation of a portable milling machine for milling a foundation.
Borrow from Navy. *Buy from* NF.

Milling a foundation (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
62 fr., b&w, 35 mm. (Shipbuilding skills series. Outside machinist)
Order no. SN 2348-o.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

Milling a helical cutter (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 8)
Order no. OE 210.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mount arbor, cutter, and arbor support; mount workpiece between centers; set dividing head for specified number of divisions; position workpiece for first cut; and rough- and finish-mill the workpiece.
Buy from NF.

Milling a helical cutter (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
54 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 8)
Order no. OE 210–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Milling a helical groove (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 4)
Order no. OE 75.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mill a helical groove in a cylindrical shaft; select and set the machine gears for milling a helical groove with any lead; and use the dividing head. Explains lead and backlash.

Buy from NF.

Milling a helical groove (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
35 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 4)
Order no. OE 75–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Milling a template (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 5)
Order no. OE 207.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mount the end mill in the milling machine spindle; position the table and workpiece in relation to the cutter; rough- and finish-mill the piece; and check for finished dimensions.

Buy from NF.

Milling a template (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
34 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 5)
Order no. OE 207–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The milling machine (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
8 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. A)
Order no. OE 11.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Types of jobs which can be done on the milling machine; how to mount the cutter on the arbor; adjust the overarm bracket; and set cutter speeds and table feeds.

Buy from NF.

The milling machine (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)
Order no. OE 69.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Functions, characteristics, and basic operations of the milling machine.

Buy from NF.

The milling machine (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
58 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1–5.
Summary: Explains the nomenclature, practical uses, and operation of the milling machine.

Borrow from AF. *Buy from* NF.

The milling machine (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
45 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. A)
Order no. OE 11–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The milling machine (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
41 fr., b&w, 35 mm. (Machine shop work series. Basic machines)
Order no. OE 69–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The milling machine
see also
La fresadora

Mind in the making (*Motion picture*) U. S. Veterans Administration, 1946.
20 min., sd., color, 16 mm.
Summary: Describes the care and treatment, under a group therapy plan, of colored patients at the Veterans Administration Hospital, Tuskegee, Alabama.
Borrow from VA.

Miracidia of Schistosoma japonicum (*Motion picture*) U. S. Public Health Service, 1947.
4 min., si., color, 16 mm. (Parasitology series)
Order no. 4–060.
Summary: Cinemicrography of miracidia of *Schistosoma japonicum* inside egg shell and free in fecal concentrate, showing absence of egg shell spine and activity of contained miracidia.
Borrow from PHS.

Miracle of promise (*Motion picture*) U. S. Dept. of the Air Force, 1954.
29 min., sd., b&w, 16 mm.
Order no. SFP 303.
Summary: Shows young men of the NATO (North Atlantic Treaty Organization) countries studying aeronautics and learning to fly jets to help maintain a strong air defense.
Borrow from AF. *Cleared for tv.*

Miracles from agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.

14 min., sd., color, 16 mm.
Summary: Explains that high quality foods are the result of efficient production and marketing. Reports on today's farming and ranching, marketing, processing, storing, transporting, and merchandising of food and other agricultural products. Emphasizes the role of research and agricultural services from farm to market to home.
Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Missile explosive device safety (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., color, 16 mm.
Order no. FTA 542
Summary: Demonstrates hazards involved when missile explosive devices are mishandled. Explains the purpose and nature of fuses, squibs, igniters, initiators, etc. Outlines safety procedures for handling, installing, and testing such devices.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Missile logistics (*Motion picture*) U. S. Dept. of the Air Force, 1958.
26 min., sd., color, 16 mm.
Order no. SFP 496.
Summary: Shows how the Air Matériel Command provides the logistical "know-how" that gets and keeps its missiles ready to meet any eventuality. Gen. Edwin W. Rawlings, AMC Commander, introduces the film with an explanation of the changes taking place within our defense picture and the importance of preparedness in meeting the challenge of the missile age.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Missile master: AN/FSG–1 anti-aircraft defense system, engineering report no. 9627 (*Motion picture*) U. S. Dept. of the Army, 1958.
13 min., sd., color, 16 mm.
Order no. MF 11–8923.
Summary: Explains the role and operation of the U. S. Army's missile master system, AN/FSG–1. Contrasts a NIKE practice alert without the missile master and with the AN/FSG–1. Reviews the functions and equipment of the operation center, communications room, radar support system, and simulator room.
Borrow from Army. Cleared for tv.

Missile recovery (*Motion picture*) U. S. Dept. of the Army, 1960.
14 min., sd., color, 16 mm.
Order no. MF 45–9508.
Summary: Explains the purpose of missile recovery and describes the methods and equipment used to search, recover, and dispose of missile remains. Depicts the action taken by a missile recovery team, including training and briefing of the crew, protective clothing worn, observation of missile flight and point of impact, search at point of impact and surrounding area, and recovery techniques. Discusses the function of a demolition team and shows the prescribed procedure for handling nitric acid.
Borrow from Army. Buy from NF. Cleared for tv.

Missile safety at Vandenberg Air Force Base (*Motion picture*) U. S. Dept. of the Air Force, 1960.
23 min., sd., color, 16 mm.
Orded no. SFP 645.
Summary: Gives a general description of the physical layout of Vandenberg Air Force Base. Points out unique hazards and dangers peculiar to missile operations and explains why stringent safety procedures must be rigidly enforced. Shows important safety measures required at missile complexes before, during, and after a launching.
Borrow from AF. Buy from NF. Cleared for tv.

Missiles of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1958.
19 min., sd., color, 16 mm.
Order no. MN 8848.
Summary: Describes the task of designing and producing missiles to fulfill the unique requirements of the Navy.
Borrow from Navy. Buy from NF. Cleared for tv.

Mission accomplished (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
Summary: Photographic record of the first all-American raid over occupied Europe, showing Flying Fortresses attacking the railroad yards at Rouen and returning to their base in England.
Buy from NF.

Mission of the Army (*Motion picture*) U. S. Dept. of the Army, 1953.
22 min., sd., b&w, 16 mm.
Order no. TF 100–1726.
Summary: Dramatization of the functions of the various arms and services of the U. S. Army with emphasis upon combat activities.
Borrow from Army. Buy from NF. Cleared for tv.

The mission of the Joint Chiefs of Staff (*Motion picture*) U. S. Dept. of Defense, 1959.
25 min., sd., b&w, 16 mm.
Order no. WA 9.
Summary: Traces the origin and history of the JCS (Joint Chiefs of Staff) from World War II to the enactment of the Defense reorganization act of 1958. Describes the mission of the JCS in furnishing military advice to the President, the National Security Council, and the Defense Secretary. Discusses the functions of the JCS.
Borrow from Army. Buy from NF. Cleared for tv.

Mission of the United States Air Force (*Motion picture*) U. S. Dept. of Defense, 1957.
33 min., sd., b&w, 16 mm.
Order no. OC 13.
Summary: General Thomas D. White, Chief of Staff, USAF, discusses the mission of the United States Air Force with officers attending the Armed Forces Staff College. Includes defense of the country through air, retaliatory air force, and air support for ground forces. Answers questions on the "balanced forces" concept; the Air Force mission with relation to the Army and Navy; Air Force capabilities in limited and general war; weapons research and development; and changes in USAF organization and policies as determined by the nuclear warfare concept.
Borrow from Army. Buy from NF. Cleared for tv.

The mission of the United States Army (*Motion picture*) U. S. Dept. of Defense, 1957. Made by the U. S. Dept. of the Army.
37 min., sd., b&w, 16 mm.
Order no. OC 12.
Summary: General Maxwell D. Taylor, Army Chief of Staff, discusses the mission of the U. S. Army at the Armed Forces Staff College, and answers questions on the size of "western" and Communist ground forces; token units versus large forces overseas as a deterrent to aggression; Army aviation requirements; nature of future amphibious operations; new trends in tactics, organization, supply, and transport; ratio of support to combat troops; role of the Army Reserve; and new trends in joint operations.
Borrow from Army. Buy from NF. Cleared for tv.

Mission of the United States Marine Corps (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Order no. OC 10.
Summary: General Randolph McCall Pate, commandant of the U. S. Marine Corps, comments on the mission and organization of the Marine Corps, and answers questions posed by his audience of officers from the Armed Forces Staff College.
Borrow from Army. Buy from NF. Cleared for tv.

Mission of the United States Navy (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
35 min., sd., b&w, 16 mm.
Order no. OC 11.
Summary: Admiral Arleigh Burke, Chief of Naval Operations, discusses the mission of the U. S. Navy with a group of officers attending the Armed Forces Staff College and answers questions concerning the advantage of sea base fighting equipment over land base firepower, the vulnerability of supercarriers to attack, the possibility of an all-nuclear propelled Navy within the next 10 years, guided missiles and conventional Naval guns, the Navy's role in the air defense of the U. S., the future of large scale amphibious assaults, and Navy developments in submarine warfare.
Borrow from Army. Buy from NF. Cleared for tv.

The mission support during radioactive fallout: Disaster control (*Motion picture*) U. S. Dept. of the Air Force, 1959.
32 min., sd., b&w, 16 mm.
Order no. TF 1–5302a.
Summary: Defines radioactive fallout and explains the characteristics of alpha, beta, and gamma rays. Shows the Disaster Control Officer how to prepare a base defense plan—covering the base disaster control center, communications, alternate facilities, monitoring equipment, decontamination facilities, shelters, security, hospital and medical facilities, food supplies, and weather service—that will enable his installation to carry on its wartime mission during heavy radioactive fallout.
Borrow from AF. Buy from NF. Cleared for tv.

The mission support during radioactive fallout: Exposure control (*Motion picture*) U. S. Dept. of the Air Force, 1959.
13 min., sd., b&w, 16 mm.
Order no. TF 1–5302c.
Summary: Explains the Disaster Control Officer's duties and responsibilities in the area of personnel safety, including computing radiation intensity scales and maximum allowable dosage, estimating radiation intensity in advance, coordinating flight line maintenance schedules, and other outside duties necessary in keeping radiation dosage of personnel to a minimum. Emphasizes personnel safety as a prime factor to assure operational efficiency during radioactive fallout.
Borrow from AF. Buy from NF. Cleared for tv.

The mission support during radioactive fallout: Fallout shelters (*Motion picture*) U. S. Dept. of the Air Force, 1959.

18 min., sd., b&w, 16 mm.

Order no. TF 1-5302b.

Summary: Explains the necessity for good shelters in event of nuclear attack. Salient teaching points cover: evaluation and preparation of buildings at a typical air base as shelters; gamma rays and their characteristics; brick, concrete, lead and other materials and their effectiveness in absorbing gamma-ray energy; computation of material and distance attenuation rates; construction of shelters; and outdoor emergency shelters.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Mississippi River: Upper river (*Motion picture*) U. S. Army Engineers, 1948.

15 min., sd., color, 16 mm.

Summary: Scenes of the Mississippi River from Lake Itasca to St. Louis with particular reference to power plants, locks and dams, and tributary river terminals.

Borrow from Eng.

Missouri and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1950.

33 min., sd., color, 16 mm.

Order no. 237.

Summary: Describes the history, mineral resources, industry, agriculture, transportation facilities, cities, and recreational facilities of Missouri.

Borrow from BM. *Cleared for tv.*

Mr. George F. Kennan discusses Soviet objectives (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

58 min., sd., b&w, 16 mm.

Order no. OC 1.

Summary: Mr. George F. Kennan, at an officers conference held at the National War College, discusses the tactical and strategic objectives of the Soviet Union and answers questions, including: why does communist ideology appeal to intellectuals in other countries, what effect will communist ideology have on the managerial class in the Soviet Union in the future, what are the views of the conquered peoples within the Soviet Union, why is communist ideology appealing to colonial and primitive peoples, and how formidable is Soviet military power.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Mister! Meet the future (*Motion picture*) U. S. Dept. of the Air Force, 1959.

25 min., sd., b&w, 16 mm.

Order no. TF 1-5267.

Summary: Presents a pictorial overview of the Air Force ROTC summer training program.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Mr. Push-a-button (*Motion picture*) U. S. Dept. of the Navy, 1961.

28 min., sd., color, 16 mm.

Order no. MN-9483.

Summary: Shows the importance of the individual man and of the crews of ships in using automatic equipment in "push-button" warfare.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Mr. Stuart answers the question (*Motion picture*) U. S. Dept. of Commerce, Office of Small Business, 1947. Made by U. S. Dept. of Agriculture.

34 min., sd., b&w, 16 mm.

Summary: Shows, by means of a dramatized story, how a businessman, the owner of a small retail department store, trains himself and his staff in modern selling methods.

Buy from NF.

Mrs. United States Navy (*Motion picture*) U. S. Dept. of the Navy, 1957.

4 min., sd., b&w, 16 mm.

Order no. MN 8659.

Summary: Describes the Mrs. U. S. Navy contest held at Long Beach, California, in 1956, including scenes of the fleet review, parade, crowning of the queen, prizes received by the queen and her husband, their tour of the U. S., and return home.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Mobile supply support (*Motion picture*) U. S. Dept. of the Navy, 1953.

23 min., sd., b&w, 16 mm.

Order no. MN 7830.

Summary: Explains the economics of military supply operations and the efficiency obtained by the mobile logistic forces of the U. S. Navy.

Borrow from Navy. *Cleared for tv.*

Mobile Yoke (*Motion picture*) U. S. Dept. of the Air Force, 1960.

16 min., sd., color, 16 mm.

Order no. SFP 1052.

Summary: Describes Mobile Yoke, a goodwill training exercise in which a Tactical Air Command composite air strike force is deployed to Thailand, discussing briefings, support activities, preflight activities, and the actual deployment and goodwill activities in Thailand.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Modern American society and culture
see American history II, lecture 7: Modern American society and culture

Modern manufacturing—command performance (*Motion picture*) U. S. Dept. of the Air Force, 1963.

33 min., sd., color, 16 mm.

Order no. SFP 1153

Summary: Illustrates the need for using modern methods in the production of aerospace vehicles and depicts many of the latest manufacturing techniques. Explains that the use of automation from programming to finished product can supersede conventional methods in speed, reliability, and economy. Shows electronically controlled machinery which operates solely on commands from numerical computer tapes and performs tasks with precision and accuracy. Emphasizes the importance of modernization in the production of Air Force space systems.

Borrow from AF.

Modern ordnance material: The M76 amphibious cargo carrier (*Motion picture*) U. S. Dept. of the Army, 1954.

8 min., sd., b&w, 16 mm.

Order no. FB 9-290.

Summary: Discusses and illustrates the construction, characteristics, and operation of the M76 amphibious cargo carrier.

Borrow from Army.

Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

23 min., sd., b&w, 16 mm.

Order no. TF 1-726.

Summary: Describes the characteristics of warm, cold, and occluded fronts; shows the types of clouds associated with each type of front; tells how an occluded front is produced; and explains how to fly through an occluded front.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Modernizing marketing facilities (*Motion picture*) U. S. Dept. of Agriculture, 1955.

27 min., sd., b&w, 16 mm.

Summary: Describes the operations of large perishable food markets, and explains how a typical city may solve the problem of adequate wholesale food markets. Shows both good and poor marketing facilities and methods of handling perishable farm products.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Modification of radiation injury in mice (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

10 min., sd., color, 16 mm.

Summary: Shows the effects on mice of chemical protection by mercaptoethylguanidine (MEG) before irradiation and bone-marrow transplant after exposure to lethal doses of 900 r, as well as possible implications regarding treatment of some human diseases.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Modified retropubic prostatectomy (*Motion picture*) U. S. Veterans Administration, 1955.
16 min, si. at sd. speed, color, 16 mm.
Summary: Presents a modification of the Millin retropubic prostatectomy utilizing a midline incision in the anterior superior half of the prostatic capsule and the distal 2 cm. of the anterior bladder wall. Explains that this modification results in no need to ligate capsular veins because the midline incision parallels their course. Points out the wide exposure and rapid access to the hyperplastic tissue, enucleation under vision, rapid effective hemostasis due to direct unobstructed observation of the operative field, elimination of difficult maneuvering under the symphysis pubis, and reduced operating time. Shows how, for access to subpubic space, a generous midline or transverse abdominal incision is made to avoid trauma to the symphysis pubis.
Borrow from VA.

Molding a horizontal cored part (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
22 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 4)
Order no. OE 431.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains the use of a horizontal core, a split pattern, chaplets, and chaplet supports. Shows how to gate a mold for rapid pouring of a thin casting; and how to clean a casting.
Buy from NF.

Molding a horizontal cored part (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
37 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 4)
Order no. OE 431-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding a horizontal cored part
see also
Moulage d'une pièce avec un noyau horizontal

Molding a valve body (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
33 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 3)
Order no. OE 430-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding a valve body
see also
Moulage du corps d'une soupage

Molding on a jolt roll-over pattern draw machine (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
23 min., sd., b&w, 16 mm. (Foundry practice series. Machine molding)
Order no. OE 434.
With instructor's manual. Supplementary filmstrip of same title also issued.
Summary: Explains the principles of the jolt roll-over pattern draw machine; how to fill the drag and jolt it; draw the pattern; set the drag and cope pattern plates; fill the cope and jolt it; and finish and close the mold.
Buy from NF.

Molding on a jolt roll-over pattern draw machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
47 fr., b&w, 35 mm. (Foundry practice series. Machine molding)
Order no. OE 434-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding on a jolt roll-over pattern draw machine
see also
Moulage au moyen d'une machine à secousse et à démoulage par renversement

Molding on a jolt squeeze machine (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
10 min., sd., b&w, 16 mm. (Foundry practice series. Machine molding)
Order no. OE 433.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains the principles of the jolt squeeze molding machine; how to roll the mold; fill the cope and apply pressboard; squeeze the mold; and draw the pattern, finish, and close the mold.
Buy from NF.

Molding on a jolt squeeze machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
49 fr., b&w, 35 mm. (Foundry practice series. Machine molding)
Order no. OE 433-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding on a jolt squeeze machine
see also
Moulage avec une machine à secousse et à compression

Molding part having a vertical core (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
19 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 3)
Order no. OE 425.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Shows how to mold a gate and riser; make a pouring basin; vent a mold to permit the escape of core gases; and locate a vertical core in a mold.
Buy from NF.

Molding part having a vertical core (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
38 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 3)
Order no. OE 425-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding part having a vertical core
see also
Moulage d'une pièce portant un noyau vertical

Molding part with deep green sand core (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
25 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 2)
Order no. OE 429.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Tells why to use a follow board with a thin box-like pattern. Shows how to reinforce a green sand core with nails; locate sprue and watch-up pins; use gaggers; and ram and vent a green sand core.
Buy from NF.

Molding part with deep green sand core (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
30 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 2)
Order no. OE 429–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding part with deep green sand core
see also
Moulage d'une pièce avec un noyau profond de sable vert

Molding with a gated pattern (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
11 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 5)
Order no. OE 427.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains what a gated pattern is and why it is used. Shows how a match or follow board may simplify making a parting; how facing sand is prepared; and how and why some patterns are rapped through the cope.
Buy from NF.

Molding with a gated pattern (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
30 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 5)
Order no. OE 427–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding with a gated pattern
see also
Moulage avec un modèle multiple

Molding with a loose pattern (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
21 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 1)
Order no. OE 423.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains how molding sand is prepared. Demonstrates how to face a pattern; ram and vent a mold; roll a drag; cut a sprue, runner, riser, and gates; and swab, rap, and draw a pattern. Shows, by animation, what takes place inside a mold during pouring.
Buy from NF.

Molding with a loose pattern (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
37 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 1)
Order no. OE 423–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding with a loose pattern
see also
Moulage avec un modèle solide

Molding with a loose pattern; floor (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 1)
Order no. OE 428.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains the distinction between bench molding and floor molding. Shows how to face a deep pattern; ram a drag and walk it off; clamp a mold; locate sprues and risers; and tuck the crossbars of a large cope.
Buy from NF.

Molding with a loose pattern; floor (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
35 fr., b&w, 35 mm. Foundry practice series. Floor molding, no. 1)
Order no. OE 428–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding with a loose pattern; floor
see also
Moulage d'un modèle solide; sur le plancher

Molding with a split pattern (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
19 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 4)
Order no. OE 426.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains how split patterns aid in the more efficient molding of some castings; and demonstrates how ramming affects the permeability of sand in a mold; how to reinforce a mold with nails; and how to patch a mold.
Buy from NF.

Molding with a split pattern (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
26 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 4)
Order no. OE 426–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding with a split pattern
see also
Moulage d'un modèle en deux parties

Molding with a three part flask (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
35 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 5)
Order no. OE 432.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains the use of a deep follow board; techniques of facing, ramming, and venting a deep green sand core; how to use a cheeck in a three-part flask; and the purpose and method of stepgating.
Buy from NF.

Molding with a three part flask (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
33 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 5)
Order no. OE 432–fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Molding with a three part flask
see also
Moulage avec une boîte a mouler en trois parties

Moluccas (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.
88 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 17 min. (Theatres of war series. Pacific area; Netherlands East Indies)
Order no. SN 1538–p.
Summary: Describes the terrain, winds, and population of the Moluccas; and explains how persons marooned on one of the islands can, with the aid of natives, escape to a friendly base.
Borrow from Navy. *Buy from* NF.

Moments of decision (*Motion picture*) U. S. Dept. of the Air Force, 1960.

19 min., sd., color, 16 mm.

Orded no. SFP 650.

Summary: Portrays, through the experiences of three cadets, the advantages of being in the AFROTC (Air Force Reserve Officers' Training Corps). Shows how two of the cadets achieve their goals of becoming officers in the Air Force after completing basic and advanced AFROTC training. Explains that although the third cadet has to terminate his training after basic because of bad eyes, he will find his AFROTC training helpful later on in civilian life.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Montevideo family (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

16 min., sd., b&w, 16 mm.

Summary: Study of the daily life of a middle-class family in Montevideo, Uruguay.

Buy from NF.

"Moppy": New methods for easier mopping (*Filmstrip*) U. S. Veterans Administration, 1956.

2 filmstrips (81 fr.), b&w, 35 mm.

Part 1, 41 fr.; pt. 2, 40 fr.

Summary: Uses cartoon characters to illustrate methods of mopping floors in hospitals.

Borrow from VA. *Buy from* NF.

Moral responsibility of safety (*Motion picture*) U. S. Dept. of the Army, 1959.

6 min., sd., b&w, 16 mm.

Order no. TF 16–2791.

Summary: Dramatized story illustrating the concept of moral responsibility. Made for use by Army chaplains.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

More about modifiers
see Practical English usage I, lecture 9: More about modifiers

More about pronouns
see Practical English usage I, lecture 6: More about pronouns

More about sentences
see Practical English usage I, lecture 5: More about sentences; punctuation; sentence sense

More about verbs
see Practical English usage I, lecture 7: More about verbs

More and better foods from today's pay check (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

43 double fr., color, 35 mm.

Order no. C–43 or 712.

Summary: Charts and cartoons showing changes in food production and consumption during the past 30 years.

Buy from PhotoLab.

More grasshoppers (*Motion picture*) U. S. Dept. of Agriculture, 1955.

6 min., sd., b&w, 16 mm.

Summary: Shows how grasshopper infestations are predicted, and suggests control measures farmers can follow to reduce damage. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Morning coffee with Dorothy Thompson (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

27 min., sd., b&w, 16 mm.

Order no. AFIF 81.

Summary: Miss Dorothy Thompson discusses with a group of service wives the importance of desirable behavior of U. S. citizens abroad, and answers such questions as the extent to which Americans should conform to foreign customs, and the danger of well-meaning "overgenerosity."

Borrow from Army. *Cleared for tv.*

Mosquito larval habitats (*Filmstrip*) U. S. Public Health Service, 1958.

73 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.

Order no. FS 190.

Summary: Describes the various types of mosquito larval breeding places; explains the classification of larval habitats as related to mosquito surveys. Designed primarily for sanitarians and mosquito-control trainees.

Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Mosquito prevention in irrigated areas (*Motion picture*) U. S. Public Health Service, 1955.

7 min., sd., b&w, 16 mm.

Order no. M 73.

Summary: Shows how to control mosquitoes in irrigated areas by good design and careful maintenance of the irrigation system, accurate preleveling of fields, and providing adequate run-off drainage in order to avoid standing water.

Borrow from PHS. *Buy from* NF.

Mosquito problems in irrigated areas (*Filmstrip*) U. S. Public Health Service, 1953.

75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. F 144.

Summary: Explains the mosquito problems attendant to irrigation projects and how an irrigation system should be designed and maintained in order to provide adequate drainage so that it does not become a mosquito breeding area.

Borrow from PHS.

Mosquito stages of Plasmodium falciparum (*Motion picture*) U. S. Public Health Service in cooperation with the Laboratory of Tropical Diseases, National Institutes of Health, 1954.

11 min., sd., b&w, 16 mm.

Order no. M 138–b.

Summary: By means of cinemacrography, cinemicrography, and graphics, shows the female of the *Anopheles quadrimaculatus* obtaining a blood meal, and the action of the mosquito mouth parts within the tissues; gametocytes, gamete formation, and fertilization; the development of the oökinete, oöcyst, and sporozoites; transfer of sporozoites to the salivary glands and their inoculation into the tissues of the host.

Borrow from PHS.

Mosquito survey techniques (*Motion picture*) U. S. Public Health Service, 1958.

15 min., sd., color, 16 mm.

Order no. M 127.

Summary: Shows mosquito survey methods under a variety of circumstances and for various mosquito species; how properly to collect larvae and adult mosquitoes; and how to keep accurate records and evaluate results.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

A most dangerous combination (*Motion picture*) U. S. Dept. of Agriculture, 1949.

3 min., sd., b&w, 16 mm.

Revision of the 1945 film of the same title.

Summary: How thought and care can prevent nine out of ten forest fires caused by the dangerous combination of a man, a match, and dry leaves.

Rent from DA Film Libraries. *Buy from* NF.

The most rewarding law (*Motion picture*) U. S. Dept. of the Army, 1930.
30 min., sd., color, 16 mm.
Order no. MF 15-9100.
Summary: Shows the variety of opportunities provided by a career in the U. S. Army Judge-Advocate-General's Corps, compares the duties of the judge advocate with those of a lawyer in civilian practice, and discusses the similarities between the two types of practice. Emphasizes the advantages afforded the young military lawyer—travel, advanced study in the law, security, variety of duty and experience, and professional satisfaction.

Borrow from Army. Buy from NF. Cleared for tv.

Moteur à répulsion-induction: Vérification générale (*Motion picture*) U. S. Office of Education, 1957.
25 min., sd., b&w, 16 mm. (Appareils électriques. Entretien et réparation des moteurs)
Order no. OE 397-Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion pictures released in 1945 under the title Repulsion-induction motor: General overhaul.
Summary: Shows how to check a repulsion-induction motor for electrical and mechanical faults; how to dismantle it; how to remove a damaged coil; how to wind and insulate a new coil; and how to assemble and lubricate the motor.

Buy from NF.

A motion picture history of the Korean War (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
56 min., sd., b&w, 16 mm.
Order no. AFIF 85.
Summary: Presents the Korean War fighting, and the problems encountered by American and United Nations forces during the major phases of the battle from the initial gun fire on June 25, 1950 to the armistice on July 27, 1953.
Borrow from Army. Buy from NF. Cleared for tv.

Motor control series
see Electrical work series. Motor control

Motor vehicle administration (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
6 min., sd., color, 16 mm.
Summary: Emphasizes the importance of the motor vehicle administrations in state governments, and shows the need for adequate budgets and trained personnel to handle programs of driver licensing, driver improvement, and vehicle inspection.
Borrow from PCTS. *Cleared for tv.*

Motor vehicle spot speed studies: Setting up mirror boxes (*Motion picture*) U. S. Dept. of the Army, 1956.
6 min., sd., b&w, 16 mm.
Order no. TF 19-2275.
Summary: Shows how mirror boxes are used in motor vehicle spot speed studies, including positioning of boxes, positioning of observer and recorder, clocking of passing vehicles, and recording of data on a field sheet.
Borrow from Army.

Motors and generators, part 1: DC motors and generators (*Motion picture*) U. S. Dept. of the Army, 1961.

35 min., sd., b&w, 16 mm.
Order no. TF 9-3106
Summary: Describes the construction, uses, and principles governing the operation of DC motors and generators.

Borrow from Army.

Motors and generators, part 2: AC motors and generators (*Motion picture*) U. S. Dept. of the Army, 1961.

25 min., sd., b&w, 16 mm.
Order no. TF 9-3107
Summary: Describes the design, characteristics, and operation of AC generators and motors.

Borrow from Army.

Moulage au banc
see Technique de fonderie. Moulage au banc

Moulage au moyen d'une machine à secousse et à démoulage par renversement (*Motion picture*) U. S. Office of Education, 1954.
23 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage mécanique)
Order no. OE 434-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding on a jolt roll-over pattern draw machine.

Buy from NF.

Moulage avec un modèle multiple (*Motion picture*) U. S. Office of Education, 1954.
11 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 5)
Order no. OE 427-Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding with a gated pattern.

Buy from NF.

Moulage avec un modèle solide (*Motion picture*) U. S. Office of Education, 1954.
21 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 1)
Order no. OE 423-Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding with a loose pattern.

Buy from NF.

Moulage avec une boite a mouler en trois parties (*Motion picture*) U. S. Office of Education, 1954.
35 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 5)
Order no. OE 432-Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding with a three part flask.

Buy from NF.

Moulage avec une machine à secousse et à compression (*Motion picture*) U. S. Office of Education, 1954.
10 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage mécanique)
Order no. OE 433-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding on a jolt squeeze machine.

Buy from NF.

Moulage d'un modèle en deux parties (*Motion picture*) U. S. Office of Education, 1954.
19 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 4)
Order no. OE 426-Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding with a split pattern.

Buy from NF.

Moulage d'un modèle solide; sur le plancher (*Motion picture*) U. S. Office of Education, 1954.
24 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 1)
Order no. OE 428-Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding with a loose pattern; floor.

Buy from NF.

Moulage d'une pièce avec un noyau horizontal (*Motion picture*) U. S. Office of Education, 1954.
22 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 4)
Order no. OE 431–Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding a horizontal cored part.
Buy from NF.

Moulage d'une pièce avec un noyau profond de sable vert (*Motion picture*) U. S. Office of Education, 1954.
25 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 2)
Order no. OE 429–Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding part with deep green sand core.
Buy from NF.

Moulage d'une pièce portant un noyau vertical (*Motion picture*) U. S. Office of Education, 1954.
19 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 3)
Order no. OE 425–Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding part having a vertical core.
Buy from NF.

Moulage du corps d'une soupage (*Motion picture*) U. S. Office of Education, 1954.
26 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 3)
Order no. OE 430–Fr.
French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding a valve body.
Buy from NF.

Moulage mécanique
see Technique de fonderie. Moulage mécanique

Moulage sur le plancher
see Technique de fonderie. Moulage sur le plancher

Mountain water (*Motion picture*) U. S. Dept. of Agriculture, 1950.
17 min., sd., color, 16 mm.
Summary: Shows how the water supply for industrial, agricultural, and domestic uses in the western United States depends on mountain water, and the need for the conservation of forests and other vegetation on the mountains.
Rent from DA Film Libraries. *Buy from* NF.

Movements of Endamoeba histolytica (*Motion picture*) U. S. Public Health Service, 1947.
2 min., si., color, 16 mm. (Parasitology series)
Order no. 4–061.
Summary: Cinemicrography of typical motility and ingested red cells of trophozoite of *Endamoeba histolytica* from a clinical case of amoebic dysentery.
Borrow from PHS. *Buy from* NF.

Mud Mountain Dam (*Motion picture*) U. S. Army Engineers, 1956.
28 min., sd., color, 16 mm.
Summary: Explains the need for, construction of, and benefits derived from the combination earth-core rock-fill dam located on the White River in the western section of the State of Washington.
Borrow from Eng. *Cleared for tv.*

Mudjacking concrete pavement (*Motion picture*) U. S. Dept. of the Air Force, 1960.
11 min., sd., b&w, 16 mm.
Order no. TF 1–5356.
Summary: Presents procedures for leveling concrete slabs with hydraulic pressure, including drilling, mixing special mortar, pumping mortar into cavities, and watching pressure limitations. Shows and describes tools and equipment required for the operation.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Multiple closure of fistulae between the aortic and portacaval systems (*Motion picture*) U. S. Dept. of the Navy, 1957.
20 min., sd., color, 16 mm.
Order no. MED 7–57.
Summary: Technical report of a case, involving a 19-year-old male who, as a result of a gunshot wound, developed independent arteriovenous fistulae between the vena cava and the aorta, and between the portal vein and the hepatic artery, resulting in marked cardiac enlargement and failure. Demonstrates a left thoracoabdominal approach to permit dissection of the aorta from the left by reflection, and of the spleen and abdominal viscera from the right. Shows exploration for, location of, and closure of the two fistulae.
Borrow from Navy.

Multiple cylinder engines (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
40 fr., b&w, 35 mm.
Order no. SCG 154–b, formerly SG 1683.
Summary: Explains the layout of a multiple cylinder engine and the principle of staggering the firing order of the cylinders.
Buy from NF.

Multiple switchboards: Installation and operation (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.
24 min., sd., b&w, 16 mm.
Order no. TF 11–1555.
Summary: Shows a typical field army organization with its telephones and switchboards; points out the advantages of multiple switchboards over interposition trunking of switchboards; and explains common and local batteries, their tactical use, advantages, and capacity traffic.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Multiple wounds, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., color, 16 mm. (Medicine in action series, no. 9)
Order no. MN 3726–i.
Summary: Follows the progress of a battle casualty with multiple wounds. Shows emergency treatment in the field, guillotine amputation of leg, dressing for traction, treatment of minor leg wounds, cleaning and debridement of facial wounds, grafting of skin, evisceration of damaged eye, enucleation of other eye, reamputation, rehabilitation at a school for the blind.
Borrow from Navy. *Buy from* NF.

Multiplex mapping, part 1 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
26 min., sd., color, 16 mm.
Order no. TF 5–1549.
Summary: Describes the multiplex method of producing accurate topographical maps from aerial photographs. Primarily for technical use.
Borrow from Army. *Buy from* NF.

Multiplex mapping, part 2 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public education use, 1956.
40 min., sd., color, 16 mm.
Order no. TF 5–1546.
Summary: Explains the process of converting three-dimensional aerial photographs into topographical maps. For technical use.
Borrow from Army.

Multiplication and division of directed numbers
see Beginning algebra I, lecture 8: Multiplication and division of directed numbers

Municipal sewage treatment plants series
see
Activated sludge plant with vacuum filtration and incineration
Chemical precipitation treatment plants with two-stage digestion
Primary treatment plants
Trickling filter plants

Municipal sewage treatment processes (*Motion picture*) U. S. Public Health Service, 1951.
13 min., sd., b&w, 16 mm.
Order no. M 6
Summary: Shows the equipment and explains the processes used by U. S. cities to reduce sewage to harmless effluent and solids, thus protecting the health of residents and conserving water resources.
Borrow from PHS. *Buy from* NF.

Museum of art (*Motion picture*) U. S. Information Agency, 1958. Made by G. M. Productions. Released for public educational use in the United States through U. S. Office of Education, 1958.
27 min., sd., color, 16 mm.
Summary: Describes the role of art museums in communities throughout the United States, and shows examples of art treasures on public display. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Museum of Science and Industry (*Motion picture*) U. S. Dept. of State, 1948. Made by Herbert Kerkow Productions. Released for educational use in the United States through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm.
Summary: A camera tour of the Museum of Science and Industry in Chicago. Explains the relationship between scientific principles and industrial achievements. Prepared for overseas use.
Buy from NF.

Museums for school children (*Motion picture*) U. S. Dept. of the Army, 1950. Made by James & Schwep. Released for public educational use through U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm.
Summary: Portrays the facilities and explains the educational values of children's museums in the United States. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

My child is blind (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Summary: Shows how a blind child, given special training at a school for blind children, can be taught to do many things that normal children do. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

My Latvia (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1960.
18 min., sd., b&w, 16 mm.
Summary: Traces the history of Latvia from 1918 through World War II. Documents the events which ended with Russia's envelopment of the Baltic States and shows how Latvia, a country that had been independent for 22 years was converted into a Communist police state and a USSR satellite. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

A mycological slide culture technique (*Filmstrip*) U. S. Public Health Service, 1951.
36 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 4 min.
Order no. F 24.
Summary: Shows how to grow fungi on glass slides in a moist chamber in order to observe the undisturbed relationship between reproductive structures and mycelium.
Borrow from PHS. *Buy from* NF.

Mycosis fungoides (*Motion picture*) U. S. Veterans Administration, 1952. Made by U. S. Dept. of Agriculture.
16 min., sd., color, 16 mm.
Summary: Discusses the historical development, classification, and clinical and histopathological features of mycosis fungoides; emphasizes histological criteria for diagnosis; shows clinical appearances of the pre-mycotic, mycotic, and ulcerative phases of the disease; and follows a case over a four-year period from early pre-mycotic to autopsy findings. For medical personnel.
Borrow from VA. *Buy from* NF.

N

NACA crash fire research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.
40 min., sd., color, 16 mm.
Order no. TF 26.
Summary: Pictures full-scale airplane crashes staged at Ravenna Arsenal, Ohio, by NACA research scientists, to study the sources of fire ignition and ways to prevent fire. Discusses results of this investigation. For technical personnel, to be used with NACA Research memorandum E52F06: Mechanism of start and development of aircraft crash fires.
Borrow from NASA.

The NACA free-spinning wind tunnel (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1936.
15 min., si., b&w, 16 mm.
Order no. TF 9.
Summary: Shows typical models of airplanes, test techniques, and tests to determine spinning characteristics; includes picture and schematic diagram of the NACA vertical free-spinning wind tunnel. A record film for technical personnel, to be used with NACA Report 557; preliminary tests in the NACA free-spinning wind tunnel.
Borrow from NASA.

NACA high-speed flight research station (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
14 min., si. at sd. speed, color, 16 mm.
Sound version also released in 1952 with the title High-speed flight research at Muroc.
Summary: Shows some of the highly-instrumented aircraft and operations in a program of flight research at speeds approaching and exceeding the speed of sound, conducted by the NACA in cooperation with the U. S. Air Force, U. S. Navy, and aircraft manufacturers. For use by technical personnel.
Borrow from NASA.

NACA high-speed flight research station
see also
High-speed flight research [at Muroc]

NACA research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
18 min., sd., color, 16 mm.
With lecture notes.
Summary: Visualizes and explains the operations of the National Advisory Committee for Aeronautics, activities carried on at NACA research centers, and various research facilities used at these centers, including wind tunnels, rocket-propelled models and full-scale airplanes. Also discusses aerodynamic experiments, work on aircraft structures, and developments in jet propulsion.
Borrow from NASA.

NATO seapower for peace (*Motion picture*) U. S. Dept. of the Navy, 1957.
28 min., sd., b&w, 16 mm.
Order no. MN 8546.
Summary: Reviews the activities and functions of SACLANT (Supreme Allied Command Atlantic) and its capabilities for the defense of NATO (North Atlantic Treaty Organization)
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

NIKE: For defense of America (*Motion picture*) U. S. Dept. of the Army, 1958.
13 min., sd., color, 16 mm.
Order no. MF 44–8852.
Summary: Reviews the development of the NIKE missile and its features and capabilities. Illustrates the operation of a NIKE battery under simulated tactical conditions, and presents the successful NIKE test conducted in 1950 at the White Sands Proving Ground.
Borrow from Army. *Cleared for tv.*

The n. p. patient (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.
28 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511–r.
Summary: Illustrates how to care for and handle neuropsychiatric patients; typical cases and their treatment; and corpsmen's importance in patients' recovery. Limited to professional medical use.
Borrow from Navy. *Buy from* NF.

NYU television workshop (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Murphy Lillis Productions. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., b&w, 16 mm.
Summary: Depicts the work of a television workshop at New York University; describes the various crafts required in the production of a dramatic television program; also shows students at work in one of New York's commercial television studios. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Naples to Cassino (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
26 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR–C–3.
Summary: Scenes of fighting during the drive of Allied forces from Naples to Cassino, Italy, during World War II.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Nation expands to the Pacific
see American history I, lecture 13: The Nation expands to the Pacific

A nation in torment (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.
11 min., sd., b&w, 16 mm.
Summary: Reviews briefly the history of Hungary with particular reference to the period 1946–56; describes the October 1956 revolt of the people, its repression by Soviet troops, and the exodus of Hungarian refugees. Prepared for overseas use.
Buy from NF.

National Folk Festival, part 1 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
Summary: Scenes of folk dances performed at the National Folk Festival in St. Louis, Mo., in 1949, including examples of Western, German, and Philippine dances, a New England barn dance, and the Scottish highland fling. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

National Folk Festival, part 2 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
Summary: Scenes of folk dances and songs performed at the National Folk Festival in St. Louis, Mo., in 1949, including Polish, English, Croatian, American Indian, Lithuanian, Ukrainian, Texas, and Tennessee dances, and Negro and Yugoslav songs. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

National Folk Festival, part 3 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
Summary: Scenes of folk dances and songs performed at the National Folk Festival in St. Louis, Mo., in 1949, including examples of Israelian, Russian, Czechoslovakian, and American square dances, and Ozark ballads, songs of Pennsylvania coal miners, Spanish-American songs, and "Casey Jones." Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

The National 4–H Club Camp (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
35 double fr., b&w, 35 mm.
Order no. 679.
With lecture notes.
Summary: Highlights of the 17th National 4–H Club Camp, Washington, D. C.
Buy from PhotoLab.

National Gallery of Art (*Motion picture*) National Gallery of Art, 1943. Made by U. S. Office of Strategic Services.
14 min., sd., b&w, with color sequence, 16 mm.
Summary: Exterior and interior views of the Natural Gallery of Art, Washington, D. C. Explains the lighting and air conditioning systems used in the Gallery. Includes close-ups of many of the pictures in the collections.
Borrow from NGA.

The National Institutes of Health (*Motion picture*) U. S. Public Health Service, 1960.
24 min., sd., color, 16 mm.
Order no. MIS 540.
Summary: Describes the mission, development, and historical background of the National Institutes of Health as a part of the Public Health Service. Discusses the role of the National Institutes of Health in its unfolding of new knowledge through its laboratories and through its support of medical research and related activities in non-Federal institutes.
Borrow from PHS.

The nature of plant diseases (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of West Virginia University, 1939.
47 fr., b&w, 35 mm.
Order no. 165.
With lecture notes.
Summary: Shows the structure and development of fungi, how fungi cause diseases on various parts of cultivated plants, and methods for control of fungi.
Buy from PhotoLab.

Nautical astronomy (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.
23 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–c.
Summary: Explains how the celestial coordinates are placed in relation to the earth, and how declination, zenith point, nadir line, and the June and September solstices are used in celestial navigation. College level.
Borrow from Navy. *Buy from* NF.

The Nautilus crosses the top of the world (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

10 min., sd., b&w, 16 mm.

Summary: Describes the four-day journey of the atomic-powered submarine Nautilus under the polar ice cap from Point Barrow, Alaska, to the Greenland Sea. Rear Admiral Hyman Rickover describes the ship's atomic reactor and Commander William R. Anderson is decorated by the President. Included is footage with live sound on the count-down across the North Pole. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Naval aviation, a personal history: The weapon is developed (*Motion picture*) U. S. Dept. of the Navy, 1962.

30 min., sd., b&w, 16 mm.
Order no. MN 8414–c

Summary: A series of interviews with pioneers of U. S. naval aviation, with scenes covering its development during the period from 1918 to 1930.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval aviation and you (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

26 min., sd., color, 16 mm.
Order no. MN 9229.

Summary: A recruiting film explaining the twelve NavAir rates, showing their jobs afloat, and emphasizing the training received at naval air technical training schools. Reviews the four phases of primary school training and the training for each of the rates in the specialty advanced schools.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval aviation, personal history: The weapon is conceived (*Motion picture*) U. S. Dept. of the Navy, 1961.

30 min., sd., b&w, 16 mm.
Order no. MN–8414A.

Summary: Depicts the development of naval aviation from its inception up to World War I. Pioneers of naval aviation discuss their problems in achieving recognition of the value of aircraft in naval warfare.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval aviation, personal history: The weapon is tested (*Motion picture*) U. S. Dept. of the Navy, 1960.

28 min., sd., b&w, 16 mm.
Order no. MN–8414B.

Summary: Depicts the development of naval aviation during World War I. Pioneers in naval aviation discuss their wartime experiences, emphasizing the problems and accomplishments of naval aviation in World War I.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval chapels in the Pacific (*Motion picture*) U. S. Dept. of the Navy, 1948.

10 min., sd., color, 16 mm.
Order no. MN 9153.

Summary: Describes the duties of a Navy chaplain aboard ship and at a Pacific island base.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Naval establishment: Bureau of Yards and Docks (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Audio Pictures.

18 min., sd., b&w, 16 mm.
Order no. MN 6992–c.

Summary: Shows the primary responsibilities and functions of the Bureau of Yards and Docks of the U. S. Navy, with emphasis upon planning, design, research, and construction.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval leadership program report of general order #21 (*Motion picture*) U. S. Dept. of the Navy, 1961.

14 min., sd., color, 16 mm.
Order no. MN 9635.

Summary: A report on the naval leadership program presented by the Under Secretary of the Navy.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval medical research: A survey, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1955.

26 min., sd., color, 16 mm.
Order no. MN 7929–a.

Summary: A survey of research projects including studies of the physiology of weight increase among naval recruits; metabolism and physiological responses of the total human organism in the Navy's total calorimeter; the relationship between lung capacity and general physical condition; schistosomiasis; new developments in the diagnosis of syphilis; antimalarials and the mechanism of immunity, using the mosquito as the test subject; the use of insecticides on disease-carrying insects; diseases of the upper respiratory tract; the mechanism of dental caries; sterile autopsy; the preservation of tissues in bone, muscle, and aortic grafting; homotransplantation of kidneys in experimental animals using a polyethylene envelope, etc.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval medical research: A survey, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1955.

26 min., sd., color, 16 mm.
Order no. MN 7929–b.

Summary: A survey of research projects, including studies concerned with the search for plasma expanders; the development of body armor to prevent wounds of the chest and the abdomen; the effects of atomic weapons; the development of improved operational devices such as the hull indicator board for submarines; the development of better submarine escape methods; the determining of safe levels of carbon dioxide in prolonged submerged operations of submarines; the development of survival clothing and better methods of detection of survivors; the increasing of man's ability to overcome the physical limitations of high altitude flying in modern high-performance aircraft; the effects of linear acceleration on man; the development of better escape methods for high-performance aircraft; the effects of sustained acceleration on humans; etc.

Borrow from Navy. *Buy from* NF.

Naval Ordnance Laboratory: The N-O-L story (*Motion picture*) U. S. Dept. of the Navy, 1951.

20 min., sd., color, 16 mm.
Order no. MN 9165.

Summary: Describes the work involved in the research and development of the U. S. Navy's latest (1951) weapons. Sequences feature supersonic wind tunnels, ten-million volt betatron, giant magnetic coils, bomb-drop test tower, and hydrostatic pressure tanks.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Naval Preparatory School (*Motion picture*) U. S. Dept. of the Navy, 1962.

12 min., sd., color, 16 mm.
Order no. MN 9541

Summary: Describes the Naval Preparatory School in Bainbridge, its instructional program and extra-curricular activities. Discusses the opportunities offered to qualified enlisted men who desire to work toward a career as a naval officer.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Naval Research Laboratory reactor (*Motion picture*) U. S. Dept. of the Navy, 1959.

21 min., sd., color, 16 mm.
Order no. MN 8865.

Summary: Explains the construction, operation, and uses to which the Naval Research Laboratory reactor is adapted.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Naval School of Music (*Motion picture*) U. S. Dept. of the Navy, 1958.

14 min., sd., b&w, 16 mm.
Order no. MN 8509.

Summary: Describes the various musical activities provided at the Naval School of Music, and explains how musicians receive their training in preparation for assignment to Navy bands.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Naval shipyards serve the fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

13 min., sd., color, 16 mm.
Order no. MN 7479.

Summary: Explains the organization and activities of naval shipyards; the contribution each shop in the shipyard makes toward the maintenance, repair, and overhaul of ships; and the importance of naval shipyards to the operating efficiency of the fleet.

Borrow from Navy. *Cleared for tv.*

Naval steam turbines: How turbines work (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks & Norling.
17 min., sd., b&w, 16 mm.
Order no. MN 6732–b.
Summary: Discusses the basic principles and design of main propulsion and auxiliary steam turbines in Navy use. Explains differences between impulse and reaction thrust, how turbines work on steam velocity produced by drops in pressure and complexities of the marine steam turbine, due to many variations in design to meet various requirements.

Borrow from Navy. *Buy from* NF.

Naval steam turbines: The steam cycle (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Loucks & Norling.
14 min., sd., b&w, 16 mm.
Order no. MN 6732–a.
Summary: Explains the principles of the steam cycle in four successive phases: generation, expansion, condensation, and feeding; and the application of these principles in the ship's power plant.

Borrow from Navy. *Buy from* NF.

Naval steam turbines: Turbine casualties (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks and Norling Studios.
12 min., sd., b&w, 16 mm.
Order no. MN 6732–c.
Summary: Explains the delicate nature of turbine equipment and the care which should be observed in its oiling, cleaning, and maintenance.

Borrow from Navy. *Buy from* NF.

The naval wars with France and Tripoli (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Creative Arts Studio.
26 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–b.
Summary: Presents through still pictures, using the filmograph technique, the naval history of the United States from 1785 to 1805. Includes scenes of the wars with France, 1798–1800, and with Tripoli, 1801–1805; arrival of U. S. Fleets in the Mediterranean; destruction of the frigate Philadelphia; bombardment of Tripoli; and the march on Derna.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Navigation and the weather (*Filmstrip*) U. S. Civil Air Patrol, 1957.
50 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 12 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
Summary: Describes the theory and methods of air navigation, the use of aeronautical charts, and weather phenomena encountered in flight.
Buy from CAP.

Navigation series
see
The American nautical almanac for the year 1943
The astronomical triangle
Charts
Dead reckoning: air
Dead reckoning: Plotting, and celestial lines of position
The earth
The link sextant, air
Nautical astronomy
Night piloting, surface
Piloting, surface
The Pioneer bubble sextant, Mark 5, part 1
The Pioneer bubble sextant, Mark 5, Part 2: Averaging device, adjustments, and practical use
Relative movement. Part 1: Relative movement and interception
Relative movement. Part 2: Out and in search, relative wind
Relative movement. Part 3: Geographic sector search, relative sector
Rude star identifier
The Sextant, surface
Star identification
Time

The Navy and science (*Motion picture*) U. S. Dept. of the Navy, 1951.
12 min., sd., b&w, 16 mm.
Order no. MN 6658.
Summary: Highlights some of the scientific research programs being conducted by the Navy.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Navy chaplains, photo report (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm.
Order no. MN 5125.
Summary: Explains the training program of Navy chaplains including physical education, instruction in other creeds, conduct of services, and Navy regulations.

Borrow from Navy. *Buy from* NF.

Navy civil engineers (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1952.
16 min., sd., b&w, 16 mm.
Order no. MN 6768.
Summary: Gives a brief history of the Civil Engineer Corps of the U. S. Navy and portrays some of its functions and accomplishments, particularly the construction of dry docks. Deals briefly with the CB's (construction battalions) and their accomplishments.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Navy decline, the new Navy, and the war with Spain, 1865–1898 (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.
21 min., sd., color, 16 mm. (History of the United States Navy series)
Order no. FN 6943–g.
Summary: Traces the decline of the U. S. Navy following the Civil War and the subsequent building of the "new Navy" in the 1880's, based on the dynamic philosophy of sea power expressed by Alfred Thayer Mahan. Describes the role of the Navy in the war with Spain and its development into a world naval power.

Borrow from Navy. *Buy from* NF.

The Navy frogmen (*Motion picture*) U. S. Dept. of the Navy, 1957.
29 min., sd., b&w, 16 mm.
Order no. MN 8328.
Summary: Shows the training of U. S. Navy frogmen, including the underwater training tank at New London, Conn.; advanced training at St. Thomas, Virgin Islands; underwater swimming sequences with the aqua lung and Pirelli lung; and an underwater spear fishing sequence.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Navy goes to church: Thine is the power (*Motion picture*) U. S. Dept. of the Navy, 1959.
20 min., sd., b&w, 16 mm.
Order no. MN 8751–a.
Summary: Depicts the Navy's concern for the spiritual welfare of its personnel in various operational situations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Navy materials handling: The fork truck (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Logistics series)
Order no. MN 2294–b.
Summary: Compares old and new methods of handling materials and demonstrates use of two- and four-wheel hand trucks. Shows the advantage of using hand-lift pallet trucks and fork and fork-pallet trucks.
Borrow from Navy. Buy from NF.

Navy materials handling: The unit load (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., b&w, 16 mm. (Logistics series)
Order no. MN 2294–c.
Summary: Shows handling of supplies by unit loads from their source to their destination with the aid of fork trucks, street trailers, and semi-trailers. Compares the speed of handling by palletized unit loads with hand and bucket brigade methods.
Borrow from Navy. Buy from NF.

Navy men (*Motion picture*) U. S. Dept. of the Navy, 1956.
28 min., sd., b&w, 16 mm.
Order no. MN 8267.
Summary: Describes the life of a typical recruit at a Navy training center, including military indoctrination, seamanship, classroom and laboratory studies, religious observance, and recreational activities.
Borrow from Navy. Cleared for tv.

Navy news of 1956, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1957.
18 min., sd., b&w, 16 mm.
Order no. MN 8544–a.
Summary: Shows highlights of newsworthy Navy events occurring during the first half of 1956.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy news of 1956, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1957.
21 min., sd., b&w, 16 mm.
Order no. MN 8544–b.
Summary: Shows high lights of newsworthy Navy events occurring during the second half of 1956.
Borrow from Navy. Buy from NF. Cleared for tv.

The Navy nurse (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.
24 min., sd., color, 16 mm.
Order no. MN 7339.
Summary: Portrays the activities of a Navy nurse, Ensign Janet Lee, at a U. S. Navy hospital—her indoctrination, ward duty, teaching and nursing responsibilities, social and professional life. Designed primarily for recruiting.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy photography in intelligence (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm.
Order no. MN 5348–d.
Summary: Shows how aerial mosaics, stills, and other photographic reports yield vital information concerning all phases of enemy positions and war potential.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy photography in science (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes.
28 min., sd., color, 16 mm.
Order no. MN 5348–c.
Summary: Shows uses of photography in scientific research—time-lapse, high-speed, slow-motion, stroboscopic, microscopic, and underwater techniques. Includes scenes of the moon in motion, blood circulation in the brain, and the earth from 101 miles altitude.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy quiz series
see
Aerology
Weather map symbols

Navy Relief Society (*Motion picture*) U. S. Dept. of the Navy, 1951.
15 min., sd., b&w, 16 mm.
Order no. MN 7370.
Summary: Explains the purposes, activities, and benefits of the Navy Relief Society.
Borrow from Navy. Cleared for tv.

Navy-Rice Cotton Bowl Football Game (*Motion picture*) U. S. Dept. of the Navy, 1958.
15 min., sd., b&w, 16 mm.
Order no. MN 8830.
Summary: Scenes of the Cotton Bowl Game of 1957 between the U. S. Naval Academy and Rice Institute, Texas.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1957, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.
21 min., sd., b&w, 16 mm.
Order no. MN 8753–a.
Summary: Highlights of outstanding events in the U. S. Navy for the first six months of the year 1957.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1957, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1958.
22 min., sd., b&w, 16 mm.
Order no. MN 8753–b.
Summary: Highlights of outstanding events in the U. S. Navy for the last six months of the year 1957.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1958, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.
19 min., sd., b&w, 16 mm.
Order no. MN 8818–a.
Summary: Shows highlights of important Navy news events occurring from January through June 1958.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1958, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.
20 min., sd., b&w, 16 mm.
Order no. MN 8818–b.
Summary: Highlights of newsworthy events in the Navy during the period of July 1, 1958, to December 31, 1958.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1959, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8971–a.
Summary: Shows highlights of important events in the Navy during the period January through June 1959.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1959, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8984–a.
Summary: Shows highlights of events occurring in the Navy during the period July to October 1959.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1959, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1960.
14 min., sd., b&w, 16 mm.
Order no. MN 8984–b.
Summary: Shows highlights of news events occurring in the Navy during the period from October 1 to December 31, 1959.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1960, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1960.

14 min., sd., b&w, 16 mm.
Order no. MN 8984-d.
Summary: Shows highlights of news events occurring in the Navy during the period from April 1, 1960 to July 1, 1960.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1960, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1960.

15 min., sd., b&w, 16 mm.
Order no. MN 8984-e.
Summary: Shows highlights of news events occurring in the Navy during the period July 1, 1960 to October 1, 1960.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1960, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1961.

15 min., sd., b&w, 16 mm.
Order no. MN 8984-f.
Summary: Shows highlights of news events occurring in the Navy during the period October 1, 1960 through December 31, 1960.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1961, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1961.

14 min., sd., b&w, 16 mm.
Order no. MN 8984-g.
Summary: Shows highlights of news events occurring in the Navy during the period from January 1 through March 31, 1961.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1961, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1961.

14 min., sd., b&w, 16 mm.
Order no. MN-8984h.
Summary: A newsreel presentation of noteworthy events occurring in the Navy from April through June 1961.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1961, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1961.

14 min., sd., b&w, 16 mm.
Order no. MN-8984i.
Summary: Shows highlights of nationally important Navy news events occurring from July through September 1961.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1961, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1962.

14 min., sd., b&w, 16 mm.
Order no. MN 8984J
Summary: Shows highlights of news events occurring in the Navy during the period October 1, 1961 to January 1, 1962.

Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1962, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1962.

14 min., sd., b&w, 16 mm.
Order no. MN-8984K
Summary: Shows highlights of news events occurring in the Navy from January through March 1962.
Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1962, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1962.
14 min., sd., b&w, 16 mm.
Order no. MN 8984L
Summary: Shows highlights of news events occurring in the Navy during the period April 1, 1962 to June 30, 1962.

Borrow from Navy. Buy from NF. Cleared for tv.

Navy screen highlights, 1962, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1963.

14 min., sd., b&w, 16 mm.
Order no. MN 8984M
Summary: Shows highlights of news events occurring in the Navy during the period July 1962 to September 1962.

Borrow from Navy. Buy from NF. Cleared for tv.

Navy standard physical fitness test (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use thruogh U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Physical fitness training series)
Order no. MN 2652-a.
Summary: Shows how to give physical fitness tests designed to measure strength, endurance, stamina, and agility.

Borrow from Navy. Buy from NF.

Navy standard swimming tests and abandoning ship drills (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Physical fitness training series)
Order no. MN 2652-b.
Summary: Shows various tests given to Navy personnel to determine swimming abilities; and illustrates abandoning ship drills.

Borrow from Navy. Buy from NF.

The Navy supply system (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Loucks and Norling Studios.
14 min., sd., color, 16 mm.
Order no. FN 7466.
Summary: Explains the overall operation of the U. S. Navy supply system with illustrations of how various items are supplied to fleet and shore establishments throughout the world.

Borrow from Navy. Buy from NF. Cleared for tv.

Navy tank cleaning procedures series
see
Conversion from black oil to Diesel fuel: Navy improved method
Conversion from black oil to gasoline: Navy chemical method
Maintenance tank cleaning: Butterworth method

Navy uniform (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Potomac Film Producers.
19 min., sd., b&w, 16 mm.
Order no. AFIF 86.
Summary: Tells the story of the U. S. Navy uniform and depicts, using drawings and still photographs, the sailor's garb throughout American history from the American Revolution to the present time.
Borrow from Army. Cleared for tv.

Navy wings of gold (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Jam Handy Organization.
28 min., sd., color, 16 mm.
Order no. MN 8564.
Summary: A documentary showing the training program of naval aviators.

Borrow from Navy. Buy from NF. Cleared for tv.

The Nazis strike (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.
41 min., sd., b&w, 16 mm. (Why we fight series)
Order no. OF 2.
Summary: Documentary film record of Germany's preparations for war, the conquest of Austria and Czechoslovakia, and the attack upon Poland.

Borrow from Army. Buy from NF.

The near horizon (*Motion picture*) U. S. Information Agency, 1955. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1955.
18 min., sd., b&w, 16 mm.
Summary: Describes past progress and current economic developments in Latin America; illustrates principles of modern economic development and interdependence; shows progress in industry, agriculture, power, and transportation; and describes the extent of intrahemispheric trade. Prepared for overseas use.
Buy from NF. Cleared for tv. Prior authorization required.

Negative scribing (*Motion picture*) U. S. Geological Survey, 1953.
24 min., sd., color, 16 mm.
Summary: Discusses the procedures of preparing negatives for map reproduction by hand scribing. Shows the sheet coating and guide copy preparation, and presents close-ups of the various scribing operations and instruments.
Borrow from GS.

Negro colleges in wartime (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
Summary: Shows wartime activities carried on in 1943 at Tuskegee Institute, Howard University, Hampton Institute. and other Negro colleges.
Buy from NF.

Nephroureterectomy (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., color, 16 mm.
Order no. PMF 5327.
Summary: Depicts the clinical diagnosis of ureter infection and the surgical procedure and techniques used in performing a nephroureterectomy—an operation for the removal of a kidney.
Borrow from Army.

Nerve gases. Part 1: Field recognition and self-aid procedures (*Motion picture*) U. S. Dept. of the Army, 1958.
27 min., sd., b&w, 16 mm.
Order no. TF 3-2598.
Summary: Using animation, explains the manner in which nerve gases work and how they affect the body; describes symptoms of nerve-gas poisoning, showing how the eyes, nose, saliva, and breathing are affected; and depicts self-aid procedures in combat, underscoring the proper use of the gas mask and injection of atropine to neutralize the poison.
Borrow from Army.

Neurological examination of the newborn infant (*Motion picture*) U. S. Public Health Service, 1960. Made by Churchill-Wexler Film Productions.
30 min., sd., color, 16 mm.
Summary: Establishes standards in neonatal examination. Shows normal and abnormal responses to a series of tests.
Credits: Adviser, Richard S. Paine.
Borrow from PHS. *Buy from* WFP.

Neurological examination of the one year old (*Motion picture*) U. S. Public Health Service, 1960. Made by Churchill-Wexler Film Productions.
30 min., sd., color, 16 mm.
Summary: Establishes standards for examination of infants at the age of one year. Shows normal and abnormal responses to tests.
Credits: Adviser, Richard S. Paine.
Borrow from PHS. *Buy from* WFP.

Neurorrhaphy of median and ulnar nerves in mid-arm (*Motion picture*) U. S. Dept. of the Army, 1948.
12 min., sd., color, 16 mm.
Order no. PMF 5102.
Summary: Presents a detailed preoperative evaluation of damage to the right mid-arm traversed by a bullet, followed by surgical repair of the median and ulnar nerves. For medical personnel.
Borrow from Army.

Neurorrhaphy of median and ulnar nerves in the left forearm (*Motion picture*) U. S. Dept. of the Army, 1948.
14 min., sd., color, 16 mm.
Order no. PMF 5006.
Summary: Gives clinical examination details of a left forearm shell fragment case with severed median and ulnar nerves, and the procedure for effecting repair. For medical personnel.
Borrow from Army.

Neurosurgery: Facial neuralgia (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education. 1948.
12 min., sd., color, 16 mm.
Order no. MN 2230-e.
Summary: Demonstrates the surgical treatment of trigeminal and glossopharyngeal neuralgia. For medical personnel.
Borrow from Navy. *Buy from* NF.

Neurosurgery: Management of spinal cord injuries (*Motion picture*) U. S. Dept. of the Navy, 1946 Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
8 min., sd., color, 16 mm.
Order no. MN 2230-b.
Summary: Demonstrates five steps in the management of spinal cord injuries: surgery, orthopedics, bladder resection, physiotherapy and exercise. For medical personnel.
Borrow from Navy. *Buy from* NF.

Nevada and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1949.
31 min., sd., color, 16 mm.
Order no. 233.
Summary: Panoramic description of Nevada, with emphasis upon its mineral resources and mining operations.
Borrow from BM. *Cleared for tv.*

Never alone (*Motion picture*) U. S. Dept. of the Air Force, 1956.
23 min., sd., b&w, 16 mm.
Order no. SFP 331.
Summary: Describes Protestant, Catholic, and Jewish services, evening devotions, religious instruction, character guidance lectures, and personal advice and guidance available to airmen.
Borrow from AF. *Cleared for tv.*

The new Alaska (*Motion picture*) U. S. Dept. of Agriculture, 1960.
28 min., sd., color, 16 mm.
Summary: Shows how the national forests of Alaska, through timber, water, recreation, and wildlife, together with the multiple-use management of these resources, contribute to the expanding economy of our 49th State.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

A new beginning (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.
40 min., sd., b&w, 16 mm.
Summary: Story of the rehabilitation of an injured miner by specialists at the New York University Medical Center with the assistance of the United Mine Workers Welfare Board. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

New eyes and new ears (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
Summary: Explains the use of audio-visual materials in Japan, and shows how civilian informational and educational (CI&E) films of the Supreme Commander, Allied Powers are produced for and utilized in Japan. Prepared for use in occupied areas, particularly in Japan.
Buy from NF.

The new face of the Soviets (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
50 min., sd., b&w, 16 mm.
Order no. OC 9.
Summary: Dr. Philip Mosely, director of studies of the Council of Foreign Affairs and professor of international relations at the Russian Institute, Columbia University, discusses the political, economic social and military changes in the Soviet policy, and answers questions posed by his audience from the National War College, Washington, D. C.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The new gardener (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of North Carolina Extension Service, 1943.
49 fr., b&w, 35 mm.
Order no. 641.
With lecture notes.
Summary: Gives an elementary course in the main steps of gardening—soil preparation, planting methods, transplanting, weeding, staking, and harvesting.
Buy from PhotoLab.

New Guinea (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.
78 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Theatres of war series. Pacific area)
Order no. SN 1538-e.
Summary: Describes how to study the terrain to find the best way to travel; how to use fruits, foliage, fish, and animals of the country; and how to sleep, use first aid kit, and get along with the natives.
Borrow from Navy. *Buy from* NF.

New look for Niagara (*Motion picture*) U. S. Army Engineers, 1954.
14 min., sd., color, 16 mm.
Summary: Portrays the investigation being conducted at the Waterways Experiment Station on the hydraulic model of the Niagara River and Falls, and illustrates the requirements of the 1950 Treaty between the United States and Canada for enhancing the spectacle of the falls and at the same time increasing the diversion of the river above the falls for the development of power.
Borrow from Eng. *Cleared for tv.*

New mobile bakery equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
23 min., sd., b&w, 16 mm.
Order no. TF 10-1479.
Summary: Shows the equipment and operation of a mobile bakery, developed by the Quartermaster Corps, with its features of manpower economy, time and temperature control, and automatic kneading of dough.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The new power (*Motion picture*) U. S. Atomic Energy Commission, 1960.
40 min., sd., color, 16 mm.
Summary: Describes the mission of the AEC National Reactor Testing Station in Idaho and its location; explains why nuclear power reactors are being developed and how they operate.
Borrow from AEC. *Buy from* LMAFS.

New products from agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1953.
4 min., sd., b&w, 16 mm.
Summary: Describes new and improved products developed by agricultural researchers, such as dextran, flame-proof cotton, and bandages. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

A new supervisor takes a look at his job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 150.
With instructor's manual.
Summary: A machine tool operator is made a group leader and his plant superintendent explains to him, through dramatized illustrations, the meaning of working with people instead of machines.
Buy from NF.

New techniques for rearing blood-sucking insects (*Filmstrip*) U. S. Public Health Service, 1951.
31 fr., b&w, 35 mm.
Order no. F 98.
With instructor's guide.
Summary: Explains new methods of rearing *Triatoma* bugs and of infecting them with *Trypanosoma cruzi.*
Borrow from PHS.

New uses for farm products (*Motion picture*) U. S. Dept. of Agriculture, 1959.
20 min., sd., b&w, 16 mm.
Summary: Reviews the highlights of U. S. Department of Agriculture researchers in their quest for new uses of farm products. Includes reports on instant mashed potatoes, and on research to improve cotton fabrics, starch, and plastics.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

New weapons and equipment for the Army (*Motion picture*) U. S. Dept. of the Army, 1955.
26 min., sd., b&w, 16 mm.
Order no. MF 20-8504.
Summary: Explains and illustrates new and improved weapons and equipment for detecting enemy aircraft; intercepting enemy planes; increased mobility in airborne, ground, and amphibious operations; communications; firepower; guided missiles; and protective and fighting equipment for the individual soldier.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Night piloting, surface (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
18 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-u.
Summary: Studies a night piloting problem and shows the procedure of bringing the U. S. S. Savannah into a harbor at night.
Borrow from Navy. *Buy from* NF.

Night vision for airmen (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., b&w, 16 mm.
Order no. MN 3462.
Summary: Explains problems faced by flying personnel in seeing at night; shows anatomical and physiological aspects of the eye; and the reasons for and the proper techniques of becoming dark adapted.
Borrow from Navy. *Buy from* NF.

Nightmare for the bold (*Motion picture*) U. S. Dept. of the Air Force, 1959.
53 min., sd., b&w, 16 mm.
Order no. TF 1-5301.
Summary: Dramatizes events in the life of a fictional A/2C Mike Adams, who must learn to live with a lifetime of regret as the result of an automobile accident.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Nike for the defense of your community (*Motion picture*) U. S. Dept. of the Army, 1956.
13 min., sd., b&w, 16 mm.
Order no. MF 45-8698.
Summary: Tour of the U. S. Army Nike installation in Upper Marlboro, Maryland. Discusses its responsibility as a defense of the Nation's Capital, and points out that it is typical of Nike installations located throughout the country.
Borrow from Army. *Cleared for tv.*

Nike: Guardian of the cities (*Motion picture*) U. S. Dept. of the Army, 1957.
15 min., sd., b&w, 16 mm.
Order no. TF 44-2530.
Summary: Describes the organization of a Nike battery area, explains how enemy aircraft are detected by Nike, and depicts the steps involved in launching and firing Nike Ajax.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The 1949 National 4-H Club Camp (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
60 double fr., color, 35 mm.
Order no. C-1.
With lecture notes.
Summary: Highlights of the 19th National 4-H Club Camp, Washington, D. C.
Buy from PhotoLab.

The 1955 eruption of Kilauea (*Motion picture*) U. S. Geological Survey, 1958.
11 min., sd., color, 16 mm.
Summary: Covers the 1955 eruption of Kilauea, on the island of Hawaii, from the first opening of fissures in the ground, through the appearance of lava, the formation of cone and flows, the display of lava fountains, and the pillows of rising steam as one lava river reaches the sea and sets the ocean aboil.
Borrow from GS. *Cleared for tv.*

No greater heritage (*Motion picture*) U. S. Dept. of the Army, 1951.
21 min., sd., b&w, 16 mm.
Order no. MF 35-7858.
Summary: A dramatized story of the duties and accomplishments of a corporal in the Women's Army Corps who works in a machine records section. Explains training, career opportunities, and educational and recreational activities in the Corps.
Borrow from Army. Buy from NF. Cleared for tv.

No man alone (*Motion picture*) U. S. Dept. of the Air Force, 1958.
21 min., sd., b&w, 16 mm.
Order no. SFP 776.
Summary: Uses scenes of famous football games and interviews with star players to present the thesis that sportsmanship and teamwork develop the moral fibre required for a useful and well-adjusted life.
Borrow from AF. Buy from NF. Cleared for tv.

No place like home (*Motion picture*) U. S. Dept. of Defense, 1947.
8 min., sd., b&w, 16 mm.
On reel with Food for thought.
Order no. AFSR 88.
Summary: Points out similarities between home life and army life.
Borrow from Army. Buy from NF.

Nomenclature of ships series
see Shipbuilding skills series. Nomenclature of ships

Noncommissioned officer academy (*Motion picture*) U. S. Dept. of the Air Force, 1955.
30 min., sd., b&w, 16 mm.
Order no. TF 1-5028.
Summary: Describes the training and other benefits that NCO's (noncommissioned officers) receive at NCO academies of the Strategic Air Command.
Borrow from AF. Cleared for tv.

Non-fat dry milk in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.
23 fr., color, 35 mm.
Order no. C-78
Summary: Demonstrates the proper use of non-fat dry milk. Gives recipes for use in family meals, including non-fat dry milk and other low-cost commodities.
——— Another issue. double fr.

Buy from Photo Lab.

Non-judicial punishment (*Motion picture*) U. S. Dept. of the Army, 1954.
26 min., sd., b&w, 16 mm.
Order no. TF 15-1967.
Summary: Defines non-judicial punishment as authorized under Article 15 of the Uniform code of military justice, and presents typical cases to illustrate the feasibility of such punishment and the proper procedure for administering punishment. Illustrated cases involve the careless discharge of a weapon on a firing range, careless use of a weapon, fighting among soldiers in a combat zone, speeding, and failure to attend a special formation.
Borrow from Army.

Non-judicial punishment (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.
22 min., sd., b&w, 16 mm. (Uniform code of military justice series)
Order no. MN 7319-b.
Summary: Portrays four cases of minor offenses brought to "Mast," the handling of these cases, and the non-judicial punishment given the offenders under the Uniform code of military justice of the U. S. Armed Forces.
Borrow from Navy. Buy from NF. Cleared for tv.

Non-verbal communication (*Motion picture*) U. S. Veterans Administration, 1952.
27 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 4)
Summary: Discusses the recognition of the clues of nonverbal communication and the manner in which these clues can be used in an interview situation to obtain information and to further therapy. Illustrates the various points through pictures, with subtitles, of actual unrehearsed interview situations. For professional personnel only.
Borrow from VA. Buy from NF.

Normandy invasion (*Motion picture*) U. S. Coast Guard, 1944.
19 min., sd., b&w, 16 mm.
Summary: Photographic record by U. S. Coast Guard combat photographers of the preparations for and the invasion of Europe in 1944.
Borrow from CG.

The North and South fight a bitter war
see American history I, lecture 15: The North and South fight a bitter war

Northwest U. S. A. (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm. (American scene series, no. 10)
Summary: A review of the resources, industries, and people of Oregon and Washington.
Buy from NF.

The Norway rat, habits and characteristics (*Motion picture*) U. S. Public Health Service, 1953.
18 min., sd., b&w, 16 mm. (Rodent control, no. 2)
Order no. M 87.1-b.
Short version of the motion picture Habits and characteristics of the rat: The Norway rat, produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
Summary: Explains and pictures the characteristics and habits of the Norway rats—their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the habits of the Norway rats can you control them.
Borrow from PHS. Buy from NF. Cleared for tv. Prior authorization required.

The Norway rat, habits and characteristics
see also
Habits and characteristics of the rat: The Norway rat

Novel methods of fuel fabrication (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.
14 min., sd., color, 16 mm.
Summary: Describes cold closure, a process for the cladding of solid uranium fuel in aluminum by sizing a heavy-walled cup, then cold welding. Illustrates electron-beam welding, a process utilising electrons accelerated through a vacuum, and its application to welding of many reactive metals. Also covered is swaging, a process for fabricating clad uranium oxide fuel elements by direct compaction of loose powder.
Borrow from AEC. Buy from Byron. Cleared for tv.

Now we are free (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.
26 min., sd., b&w, 16 mm.
Summary: Follows a Hungarian family from Budapest, first to Austria, then to Camp Kilmer in New Jersey, and finally to resettlement in a Midwest city in the U. S. Prepared for overseas use.
Buy from NF.

Nuclear reactors for space (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1961.

18 min., sd., color, 16 mm.
Summary: Describes the use of nuclear energy to furnish low-weight, compact, and rugged electric power sources for America's space program. Shows safety studies and safety tests which demonstrate the dependability of the SNAP nuclear reactor.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Nuclear ship Savannah (*Motion picture*) U. S. Information Agency, 1960. Made by Sam P. Orleans & Associates. Released for public educational use in the United States through U. S. Office of Education, 1960.

20 min., sd., color, 16 mm.
Summary: Gives a brief history of the various types of power used for ships through the ages up to the use of nuclear energy in the Savannah. Explains, through live action, animation, and models, the designing, construction, and assembly problems of the Savannah, and discusses her role in the construction of future nuclear-powered surface ships. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Numerical trigonometry
see Beginning algebra II, lecture 10 [-11]:
Numerical trigonometry

Nuremberg trials (*Motion picture*) U. S. Dept. of Defense, 1949.
76 min., sd., b&w, 16 mm.
Order no. MF 45-7306.
Summary: A film record of the trials of the Nazi leaders at Nuremberg, Germany. Includes scenes from films made by the Nazis which were presented as the documentary evidence of the atrocities committed at concentration camps.
Borrow from Army.

The nurse combats disease (*Motion picture*) U. S. Public Health Service, 1962.

12 min., sd., color, 16 mm.
Order no. M-543
Summary: Shows ways in which nurses can safeguard the public by understanding the transmission of disease, taking necessary measures to prevent disease, and promoting recovery from illness.

Borrow from PHS. *Buy from* NF.

The nurse combats disease (*Filmstrip*) U. S. Public Health Service, 1961.

80 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 13 min. microgroove.
Order no. F-390
Summary: Shows ways in which nurses can safeguard the public by understanding the transmission of disease, by taking the necessary measures to prevent disease, and by promoting recovery from illness.

Borrow from PHS. *Buy from* NF.

The nurse—epidemiologist (*Filmstrip*) U. S. Public Health Service, 1959.
95 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. F 361.
Summary: Outlines the knowledges, duties, and responsibilities of the public health nurse in an epidemiological investigation. Includes sequences on identification of specific epidemiological patterns of time, place, and persons; the spread of pathogenic organisms; how disease organisms reach the various portals of entry; and chronological order of the nurse's duties during an investigation.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Nurses in the Army (*Motion picture*) U. S. Dept. of the Army, 1955.
27 min., sd., b&w, 16 mm.
Order no. MF 8-8564.
Summary: Illustrates and explains the duties and services of U. S. Army nurses.

Borrow from Army. *Buy from* NF.

Nursing care with a Stryker frame (*Motion picture*) U. S. Dept. of the Army, 1958.
15 min., sd., b&w, 16 mm.
Order no. TF 8-2754.
Summary: Describes the various components of the Stryker frame, including the foundation cart, overhead metal bar, utility tray, posterior and anterior frames, face and foot supports, and the three turning straps. Also describes the nursing techniques required in operating the Stryker frame.
Borrow from Army.

Nursing in the tropics (*Motion picture*) U. S. Dept. of the Army, 1952.
29 min., sd., b&w, 16 mm.
Order no. PMF 5144.
Summary: Discusses the problems of preventive medicine and aseptic technique with emphasis on nursing procedures involved in the treatment of gastro-intestinal disorders, fungus infection, malaria, and dengue fever. Designed for nurses and doctors and other hospital personnel living and working in military hospitals in the tropics.
Borrow from Army.

Nursing series
see
Bathing the patient: Home care
Care of the cardiac patient
Care of the newborn baby: The nurse's role in instructing the parents
Care of the patient with diabetes mellitus: Complicated
Care of the patient with diabetes mellitus; Uncomplicated
Feeding the patient
Fundamentals of massage
Hydrotherapy
Radiotherapy: High dosage treatment
Recreational and occupational therapy
Teaching crutch walking
Therapeutic uses of heat and cold. Part 1: Administering hot applications
Therapeutic uses of heat and cold. Part 2: Administering cold applications
The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure

Nursing service in the Navy: The Chief of Nursing Service (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.
11 min., sd., b&w, 16 mm.
Order no. MN 9225-b.
Summary: Explains the position, authority, and major responsibilities of the Chief of Nursing Service in a Naval hospital; her delegation of authority, assignment of personnel, general supervision of patient care, and responsibility for the educational development of her staff and nursing instruction of hospital corpsmen.
Borrow from Navy.

Nursing service in the Navy: The nursing service supervisor (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.
21 min., sd., b&w, 16 mm.
Order no. MN 9225-a.
Summary: Explains the position, authority, and major responsibilities of the nursing service supervisor in a Naval hospital, pointing out details of her supervision of patient care, distribution and utilization of personnel, staff development, and evaluation of performance.
Borrow from Navy.

Nursing service in the Navy: The ward nurse (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.
16 min., sd., b&w, 16 mm.
Order no. MN 9225-c.
Summary: Explains the major responsibilities of a ward nurse in a Naval hospital—those bearing directly on the care of individual patients and those involved in the management of the ward as a unit.
Borrow from Navy.

Nutriculture: Vegetable growing (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

10 min., sd., b&w, 16 mm.

Order no. FB 10-233.

Summary: Explains how to grow food crops by artificial feeding through the use of chemical mixtures. Demonstrates the necessary equipment and the techniques to be used.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Nutrition survey: Republic of Colombia (*Motion picture*) U. S. Public Health Service, 1960.

27 min., sd., color, 16 mm.

Order no. M 447

Summary: Documents a nutritional survey made in 1960 of the population of Colombia; assesses the findings and discusses the routines, and problems involved in staging such a survey.

Borrow from PHS. *Buy from* NF.

Nutrition survey: Republic of Lebanon (*Motion picture*) U. S. Public Health Service, 1963.

21 min., sd., color, 16 mm.

Order no. M 516

Summary: Documents a nutritional survey of the population of Lebanon which was made in 1961. Includes an appraisal of the health of the people, food availability, dietary patterns, and food technology.

Borrow from PHS. *Buy from* NF.

O

OMRE fuel element removal and second core loading (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Atomics International.

15 min., sd., color, 16 mm.

Summary: A report of the Organic Moderated Reactor Experiment, an experimental nuclear power project conducted by Atomics International for the AEC at the National Reactor Testing Station, Idaho.

Borrow from AEC. *Buy from* Capital. *Cleared for tv.*

Oak Ridge research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958.

20 min., sd., color, 16 mm

Summary: Describes the components, facilities, uses, and operation of the Oak Ridge research reactor—a tank type, heterogeneous reactor, immersed in a pool, designed to operate at 20 to 30 Mw.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Obey the fire laws (*Motion picture*) U. S. Dept. of Agriculture, 1953.

1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 3, no. 3)

Summary: Explains the importance of obeying fire laws, particularly in the burning of brush. Prepared for television use.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

An object lesson in fire prevention (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1951.

21 min., sd., b&w, 16 mm.

Order no. MN 6896.

Summary: Explains the fire hazards in aviation overhaul and repair shops, and the importance of protective measures. Primarily for management and supervisory personnel.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Objectives of marketing information for consumers (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

16 double fr., color, 35 mm.

Order no. C-52.

With lecture notes.

Summary: Designed for use by consumer marketing specialists in explaining consumer marketing programs to the public.

Buy from PhotoLab.

Occupational health program—U. S. Army (*Motion picture*) U. S. Dept. of the Army, 1962.

27 min., sd., b&w, 16 mm.

Order no. TF 8-3215

Summary: Discusses the objectives and scope of the Army's occupational health program, describing the role of the occupational health officer, the services rendered the civilian labor force employed by the Army, the benefits of the Army occupational health service in terms of employee welfare, and the broadened experience of medical officers for future careers in civilian life.

Borrow from Army. *Buy from* NF.

Occupational therapy in problems of motion (*Motion picture*) U. S. Dept. of the Army, 1950.

23 min., sd., b&w, 16 mm.

Order no. PMF 5116-b.

Summary: Portrays conditions involving joint limitation, muscle weakness, and lack of coordination, with occupational therapy for such conditions. For professional personnel.

Borrow from Army. *Buy from* NF.

Ocean station vessel crew training in search and rescue series
see Search and rescue series. Ocean station vessel crew training in search and rescue

O'er the ramparts (*Motion picture*) U. S. Dept. of the Navy, 1959.

26 min., sd., b&w, 16 mm.

Order no. MN 8490.

Summary: Explains the Navy's part in NORAD (North American Air Defense), and shows the Barrier Patrol operating continuously out of Argentia under adverse weather conditions.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Off-site monitoring of fallout from nuclear tests (*Motion picture*) U. S. Public Health Service, 1958.

29 min., sd., color, 16 mm.

Order no. M 309.

Summary: Shows the radiological safety activities of the U. S. Public Health Service carried on at the off-site area of the Atomic Energy Commission test site in Nevada.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Officer Candidate School (*Motion picture*) U. S. Dept. of the Navy, 1958.

28 min., sd., color, 16 mm.

Order no. MN 8563.

Summary: Portrays the training program at the Officer Candidate School, Newport, Rhode Island, including scenes of the candidates in academic work and seamanship. Demonstrates the use of modern training devices in training programs for gunnery, damage control, and navigation; discusses the guidance and supervision of the candidate; and emphasizes the candidate's duties and responsibilities as an officer in the Navy.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Officer school: U. S. Army (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., b&w, 16 mm.

Order no. AFSR 89.

Summary: A pictorial review of schools for officers of the United States Army.

Borrow from Army. *Buy from* NF.

The Ohio River (*Motion picture*) U. S. Army Engineers, 1947.

28 min., sd., b&w, 16 mm.

Summary: Shows navigation maintenance and flood control work on the Ohio River.

Borrow from Eng.

Ohio town (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm. (Ohio town series)
Summary: One day's life in an Ohio town—starting with the newsboy and milkman early in the morning, shows people going to work, the stores opening, workers in a factory, housewives shopping, children at school and play, and closes with the town's families at home in the evening. Focuses upon an election day and the town's citizens voting for mayor.
Buy from NF.

Ohio town series
see
The county agent
The doctor
The mechanic
Ohio town
The school

Ohm's law (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 2)
Order no. TF 11-1200.
Summary: Explains the elements of electricity; electrical energy, its source, transmission, and use; composition of matter; use of force and energy; how Ohm's law functions; resistance; and the purpose and use of meters.
Borrow from Army. *Buy from* NF.

The oil gear hydraulic traversing mechanism, principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm.
Order no. TF 9-1376.
Summary: Shows by means of working models and animation how the oil gear traverse mechanism operates, and the path and functioning of oil through an elevated mechanism.
Borrow from Army. *Buy from* NF.

Oil systems (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.
52 fr., b&w, 35 mm.
Order no. SN 2782.
Summary: Describes two types of internal oil systems: dry sump and wet sump. Illustrates how the dry-sump type functions. Discusses briefly the principal parts of external oil systems.
Borrow from Navy.

Oklahoma and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1953.
29 min., sd., color, 16 mm.
Order no. 223.
A revision of the 1947 motion picture of the same title.
Summary: Reviews briefly the history of Oklahoma and shows the mineral resources, mining operations, petroleum production, agriculture, and views of the State.
Borrow from BM. *Cleared for tv.*

Old age: A generation of elders (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 16)
Summary: Presents a report on the American elder generation, what is being done for their housing, health, work, recreation, and income. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Old Glory (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.
28 min., sd., color, 16 mm.
Order no. AFIF 90.
Summary: Presents the evolution of the American flag from 1607 when the English flag, the Cross of St. George, flew over Jamestown until 1960 when the new 50-star flag became a reality.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Old Glory (*Motion picture*) U. S. Dept. of the Navy, 1961.
28 min., sd., color, 16 mm.
Order no. MN 9466.
Summary: Shows the proper techniques for displaying the United States flag.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Old Ironsides (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 550.
Summary: Pictures "Old Ironsides" today, at anchor in Boston Navy Yard.
Borrow from Army. *Cleared for tv.*

Old MacDonald (*Motion picture*) U. S. Dept. of Agriculture, 1951.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 1)
Summary: Animated cartoon, featuring the character Smokey Bear and the tune Old MacDonald, emphasizing forest fire prevention. Prepared primarily for television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

On foreign shores (*Motion picture*) U. S. Coast Guard, 1945.
25 min., sd., b&w, 16 mm.
Known also as The Coast Guard at war; part 2: On foreign shores.
Summary: Reviews the 1941–45 wartime activities of the U. S. Coast Guard in battle zones. Includes scenes of ten invasions in which the Coast Guard participated.
Borrow from CG.

On parade (*Motion picture*) U. S. Dept. of the Army, 1953.
17 min., sd., b&w, 16 mm.
Order no. TF 35-1896.
Summary: Tells the story of a WAC, her first days as a recruit in the Women's Army Corps, her training, advancement, and pride when "on parade."
Borrow from Army. *Buy from* NF. *Cleared for tv.*

On post safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Order no. TF 30-1735.
Summary: Analyzes the causes of common accidents in the armed forces; recreates typical accidents in which carelessness of the individual soldier was the cause; and stresses the importance of safety consciousness throughout the Armed Forces.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

On target (*Motion picture*) U. S. Dept. of the Air Force, 1958.
22 min., sd., b&w, 16 mm.
Order no. SFP 550.
Summary: Portrays the story of the Strategic Air Command's annual bombing, navigational, and reconnaissance competition from the viewpoint of a B-47 crew member.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

On-the-job supervision series
see
The cost of an error
The four steps
The job breakdown
Kinda give it your personal attention
Spotting immediate training needs
Stop, look, and question

On the trail of George Washington (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission and U. S. National Park Service, 1932.
75 fr., b&w, 35 mm.
Order no. 299.
With lecture notes.
Summary: Scenes associated with the life of Washington from birth through youth, Mount Vernon days, the war, and early years of the nation.
Buy from PhotoLab.

Once too often (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm.
Order no. TF 20-1684.
Summary: Dramatized story of the precarious and foolish activities of a soldier on leave, which are recorded by an ethereal Fate who finally decides that the soldier has taken a chance "once too often."
Borrow from Army. *Buy from* NF.

Once upon a time (*Motion picture*) U. S. Dept. of Agriculture, 1950.
5 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 1, no. 1)
Summary: Smokey Bear tells a story of a family—father, mother, and child—who obey all of the rules of safety in their use of fire in the woods.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

115 volts; deadly shipmate (*Motion picture*) U. S. Dept. of the Navy, 1960.
19 min., sd., color, 16 mm.
Order no. MN 8960.
Summary: Portrays the story of Joe, who is representative of all sailors. Dramatizes actual incidents to emphasize the disastrous effects of low voltage electrical shock when the basic rules of electrical safety are violated or ignored.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The 106mm rifle. Part 1: Introduction to the weapon (*Motion picture*) U. S. Dept. of the Army, 1957.
8 min., sd., b&w, 16 mm.
Order no. TF 7-2433.
Summary: Explains the characteristics, components, use, and operation of the 106mm rifle M40A1, a recoilless, air cooled, breech loaded, portable weapon consisting of 106mm rifle, cal. .50 spotting rifle, and M79 rifle mount.
Borrow from Army. *Cleared for tv.*

One if by land (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. MF 45-8712.
Summary: A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power for peace and survival. Highlights events in American history from the war with Tripoli to World War II, and explains the price of unpreparedness.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

One minute past three (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.
26 min., sd., b&w, 16 mm. (The home nursing story, no. 1)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses symptoms of illness and describes the role of the home nurse in maintaining health, observing symptoms of illness and giving simple nursing care before the doctor comes.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

One nation under God (*Motion picture*) U. S. Dept. of the Army, 1961.
13 min., sd., b&w, 16 mm.
Order no. TF 16-3068.
Summary: A dramatization which develops the concept that America's underlying trust in God is responsible for the Nation's greatness today. Made for use by Army chaplains.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Onions and more onions (*Motion picture*) U. S. Dept. of Agriculture, 1952.
5 min., sd., color, 16 mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of onions. Produced especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Only a bunch of tools (*Motion picture*) U. S. Dept. of Agriculture, 1949.
28 min., sd., color, 16 mm.
Summary: Demonstrates in story form the use of small tools in fire fighting and how training in the use of such tools saved a house and wood lot from destruction by fire.
Rent from DA Film Libraries. *Buy from* NF.

Open fractures (*Motion picture*) U. S. Veterans Administration, 1959. Made by Churchill-Wexler Film Productions.
24 min., sd., color, 16 mm.
Summary: Discusses in detail various methods of reducing fractures and emphasizes the importance of preventing infection and additional damage to soft tissues during fracture management. The importance of restoring blood loss, alleviating pain, and treating for shock is demonstrated. The economic and emotional well-being of the patient is considered in relation to the severe medical problems posed by these fractures.
Borrow from VA. *Buy from* CW.

Open wire transposition systems (*Motion picture*) U. S. Dept. of the Army, 1955.
17 min., sd., b&w, 16 mm.
Order no. TF 11-1959.
Summary: Illustrates and explains the need for transpositions, how they improve communication, and the construction of various types of physical or single-point transpositions.
Borrow from Army. *Buy from* NF.

Operating a mobile well boring rig (*Motion picture*) U. S. Public Health Service, 1953.
5 min., sd., color, 16 mm.
Order no. SPM 135.
Summary: Demonstrates how a 60-foot water well was bored in approximately two hours with a mobile well-boring rig.
Borrow from PHS. *Buy from* NF.

Operating room procedures (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Polaris Pictures.
20 min., sd., color, 16 mm.
Order no. TF 1-8149.
Summary: Shows how to set up an operating room, open packs, and check for sterility, and clean an operating room; the importance of an accurate sponge count and of maintaining noncontamination in the surgical operating room; and the general layout of an operating suite.
Borrow from AF. *Buy from* NF.

Operation and maintenance of communications equipment in extreme cold (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. TF 11-1776.
Summary: Shows methods of winterizing various types of communications equipment; the effects of extreme cold on equipment; and measures to be used to prevent damage due to excessive cold.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Operation and maintenance of pipeline systems (*Motion picture*) U. S. Dept. of the Army, 1954.
10 min., sd., b&w, 16 mm. (Military pipeline operations no. 3)
Order no. TF 5-1864.
Summary: Shows the organization of a pipeline system into districts, control by service headquarters, duties of the chief dispatcher, and supply of fuel to the stations.
Borrow from Army.

Operation Blue Jay (*Motion picture*) U. S. Dept. of the Army, 1953.

28 min., sd., b&w, 16 mm.

Order no. MF 45–7947.

Summary: Records and describes Operation Blue Jay, the construction of a United States air base at Thule on the northwest coast of Greenland.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Operation Blue Jay
see also
Arctic rampart

Operation CAMID VI (*Motion picture*) U. S. Dept. of Defense, 1952.

8 min., sd., b&w, 16 mm.

On reel with The Navy and science.

Order no. AFSR 138.

Summary: Portrays the training of cadets and midshipmen, during the summer of 1951, in the techniques of amphibious operations.

Borrow from Army. *Cleared for tv.*

Operation concrete (*Motion picture*) U. S. Army Engineers, 1950.

25 min., sd., color, 16 mm.

Summary: Shows concrete operations at Detroit Dam under construction on the North Santiam River near Detroit, Ore.

Borrow from Eng. *Cleared for tv.*

Operation crossroads (*Motion picture*) U. S. Dept. of the Navy, 1949.

27 min., sd., color, 16 mm.

Order no. MN 6817.

Revision, for television use, of 1946 film with same title, order no. MN 5345.

Summary: Documentary film record of the Able and Baker atomic bomb tests at Bikini.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Operation Deepfreeze I (*Motion picture*) U. S. Dept. of the Navy, 1957.

23 min., sd., color, 16 mm.

Order no. MN 8500.

Summary: Report of the first phase of Operation Deepfreeze, explaining the Navy's contribution to U. S. participation in the International Geophysical Year and showing preparations, departure, voyage, and Antarctic operations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Operation for varicocele (*Motion picture*) U. S. Dept. of the Army, 1947.

11 min., sd., color, 16 mm.

Order no. PMF 5009.

Summary: Presents a case of a painful left varicocele involving an anterior group of veins. Demonstrates surgical treatment, similar in principle to ligation, of saphenous veins for varicosities of lower extremity. For medical personnel.

Borrow from Army.

Operation Glen Canyon (*Motion picture*) U. S. Bureau of Reclamation, 1961.

28 min., sd., color, 16 mm.

Summary: A pictorial record of the first four years of construction at Glen Canyon Dam, showing the completion of Glen Canyon Bridge, the diversion of the Colorado River, and the placement of the first concrete in the dam.

Borrow from BR. *Buy from* CFI. *Cleared for tv.*

Operation Greenhouse (*Motion picture*) U. S. Atomic Energy Commission, 1952. Made by U. S. Dept. of the Air Force.

25 min., sd., color, 16 mm.

Summary: Describes the scientific and technical operations of the Atomic Energy Commission and the Department of Defense during the nuclear weapons tests at Eniwetok in the spring of 1951. Depicts blast and thermal effects of the explosions on different types of structures.

Borrow from AEC. *Buy from* NF. *Cleared for tv.*

Operation Inchon (*Motion picture*) U. S. Dept. of the Army, 1952.

18 min., sd., b&w, 16 mm.

Order no. MF 11–7883.

Summary: A documentary film on the activities of the United Nations forces in Korea during August and September 1950.

Borrow from Army. *Cleared for tv.*

Operation Ivy (*Motion picture*) U. S. Dept. of the Air Force, 1954. Released for public use by U. S. Federal Civil Defense Administration.

28 min., sd., color, 16 mm.

Summary: A documentary record of a thermonuclear test at the Atomic Energy Commission's Pacific proving grounds in 1952. Includes introductory remarks by President Dwight D. Eisenhower and a closing statement by FCDA Administrator Val Peterson.

Borrow from AF, AEC, or OCDM. *Buy from* DA. *Cleared for tv.*

Operation Noah (*Motion picture*) U. S. Dept. of the Army, 1956.

29 min., sd., b&w, 16 mm.

Order no. MF 45–8615.

Summary: Describes the work of the U. S. armed services, particularly the Army Engineers, in the rehabilitation of the regions in Northeastern United States hit by flash floods in the summer of 1955. Shows channel clearance; clearing of bridge crossings; erection of Bailey bridges; restoration of water mains; providing of drinking water; handling of food contamination; cleaning of stores, houses, and streets; and road and building repair.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Operation of hypochlorinators (*Filmstrip*) U. S. Public Health Service, 1957.

57 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.

Order no. F 225.

Summary: Depicts, through the use of photographs and graphics, the correct installation and operation of hypochlorinators. Explains their uses, advantages, and principles of operation.

Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Operation of industrial hygiene survey equipment: Relative humidity, temperature, and air pressure instruments (*Motion picture*) U. S. Dept. of the Air Force, 1957.

14 min., sd., b&w, 16 mm.

Order no. FTA 272b.

Summary: Instructs students in the methodology applicable to the operation of humidity, temperature, and air pressure instruments.

Borrow from AF.

Operation of industrial hygiene survey equipment: The light meter (*Motion picture*) U. S. Dept. of the Air Force, 1957.

3 min., sd., b&w, 16 mm.

Order no. FTA 272e.

Summary: Instructs students in the methodology applicable to the operation of the light meter.

Borrow from AF.

Operation of industrial hygiene survey equipment: The midget impinger dust sampler (*Motion picture*) U. S. Dept. of the Air Force, 1958.

11 min., sd., b&w, 16 mm.

Order no. FTA 272c.

Summary: Demonstrates the correct procedure for operating the midget impinger dust sampler.

Borrow from AF.

Operation of industrial hygiene survey equipment: The sound analyzer (*Motion picture*) U. S. Dept. of the Air Force, 1957.

10 min., sd., b&w, 16 mm.

Order no. FTA 272g.

Summary: Acquaints students with the proper method of operating the sound analyzer.

Borrow from AF.

Operation of industrial hygiene survey equipment: Toxic and combustible gas detectors (*Motion picture*) U. S. Dept. of the Air Force, 1957.

15 min., sd., b&w, 16 mm.

Order no. FTA 272a.

Summary: Demonstrates operation of the industrial hygiene equipment which is used in the detection of certain toxic and combustible gases.

Borrow from AF.

Operation of jet aircraft engines (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm.
Order no. MN 5396-a.
Summary: Illustrates principles of jet propulsion by Newton's law of action and shows its application to jet engines; shows operating principles of the reciprocating engine to produce horsepower and thrust power; and demonstrates the application of jet propulsion in rockets and aircraft.

Borrow from Navy. Buy from NF. Cleared for tv.

Operation of ocean station vessels during search and rescue (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
27 min., sd., color, 16 mm. (Search and rescue series)
Order no. MG 5379.
Summary: Explains the search and rescue (SAR) operations of the U. S. Coast Guard, and illustrates these operations through a story of the ditching at sea of a commercial plane and the rescuing of the survivors by a Coast Guard ocean station vessel.
Buy from NF. Cleared for tv.

Operation of the astro-compass (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
52 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-421.
Summary: Describes how to use the astro-compass to find deviation correction and tells how to align the astro-compass standard.
Borrow from AF.

Operation of truck terminals (*Filmstrip*) U. S. Dept. of the Army, 1955.
40 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 55-11.
Summary: Discusses the operation of truck terminals; and shows how loaded trailers arrive from beach, port, and depot points, are unloaded, and dispatched with return loads.
Borrow from Army.

Operation Portrex (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
10 min., sd., b&w, 16 mm.
On reel with Army sports.
Order no. AFSR 120.
Summary: An exercise designed to test the possibility of recapturing the Caribbean Island of Vieques from an aggressor.
Borrow from Army. Cleared for tv.

Operation Quick Span (*Motion picture*) U. S. Dept. of the Air Force, 1960.

14 min., sd., color, 16 mm.
Order no. SFP 1030.
Summary: Presents the story of Operation Quick Span in which a Tactical Air Command friendship force conducts ground displays and aerial demonstrations at selected Central Treaty Organization cities and airfields.
Borrow from AF. Buy from NF. Cleared for tv.

Operation Sandstone (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by U. S. Dept. of the Air Force.
18 min., sd., color, 16 mm.
Summary: Describes the preparation for the test detonations of atomic bombs at Eniwetok in the spring of 1948, and pictures the three detonations.

Borrow from AEC. Buy from NF. Cleared for tv.

Operation Solidarity (*Motion picture*) U. S. Dept. of the Army, 1961.

28 min., sd., color, 16 mm.
Order no. MF 20-9364
Summary: Describes how the Americas train, study, and work together for mutual hemispheric defense. Shows activities in the 1961 joint military training maneuver (Operation Solidarity) held in the Republic of Panama. Reviews mutual collaboration between the United States and Latin American countries to develop military and economic potential for hemispheric defense.

Borrow from Army. Buy from NF. Cleared for tv.

Operation thunderbolt (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1296.
Summary: Demonstrates how picked men were trained for a special type of unit to police the American occupation zone of Germany—the U. S. Constabulary Forces.
Borrow from Army. Buy from NF. Cleared for tv.

Operation vittles (*Motion picture*) U. S. Dept. of the Air Force, 1948.
15 min., sd., b&w, 16 mm.
Order no. SFP 240.
Summary: A documentary film record of the operations of the U. S. Air Force in supplying blockaded Berlin by air. Explains how "operation vittles" was conducted, and shows the loading, flying, and delivery of supplies.

Borrow from AF. Buy from NF. Cleared for tv.

Operation zero-zero (Project narrow gauge) (*Motion picture*) U. S. Dept. of the Air Force, 1959.
19 min., sd., color, 16 mm.
Order no. FR 35.
Summary: Shows how extensive testing of an integrated visual approach and landing aids system (IVALA) can provide aviation with greater and safer aircraft landing capability.
Borrow from AF. Buy from NF. Cleared for tv.

Operations in sea ice: Convoy operations in sea ice (*Motion picture*) U. S. Dept. of the Navy, 1954.
23 min., sd., b&w, 16 mm.
Order no. MN 7419-c.
Summary: Explains how to conduct Navy convoy operations in the Arctic; shows how the convoy is organized and the use of caution in directing convoy movement; and points out good ice seamanship.

Borrow from Navy. Buy from NF. Cleared for tv.

Operations in sea ice: Identification of sea ice (*Motion picture*) U. S. Dept. of the Navy, 1953.
13 min., sd., color, 16 mm.
Order no. MN 7419-b.
Summary: Presents standard methods and terminology used in describing and classifying Arctic sea ice. Various types of ice are pictured and described by tracing the life cycle of sea ice and showing the formation of icebergs.

Borrow from Navy. Buy from NF. Cleared for tv.

Operations on a broaching machine series
see Machine shop work series. Operations on a broaching machine

Operations on a single face surfacer series
see Precision wood machining series. Operations on a single face surfacer

Operations on the band saw series
see Precision wood machining series. Operations on the band saw

Operations on the center-type grinder series
see Machine shop work series. Operations on the center-type grinder

Operations on the centerless grinding machine series
see Machine shop work series. Operations on the centerless grinding machine

Operations on the cutter grinder series
see Machine shop work series. Operations on the cutter grinder

Operations on the drill press series
see Machine shop work series. Operations on the drill press

Operations on the engine lathe series
see Machine shop work series. Operations on the engine lathe

Operations on the gear hobbing machine series
see Machine shop work series. Operations on the gear hobbing machine

Operations on the horizontal boring mill series
see Machine shop work series. Operations on the horizontal boring mill

Operations on the internal grinder series
see Machine shop work series. Operations on the internal grinder

Operations on the jointer series
see Precision wood machining series. Operations on the jointer

Operations on the metal cutting band saw series
see Machine shop work series. Operations on the metal cutting band saw

Operations on the milling machine series
see Machine shop work series. Operations on the milling machine

Operations on the planer series
see Machine shop work series. Operations on the planer

Operations on the sander series
see Precision wood machining series. Operations on the sander

Operations on the shaper series
see Machine shop work series. Operations on the shaper

Operations on the spindle shaper series
see Precision wood machining series. Operations on the spindle shaper

Operations on the surface grinder series
see Machine shop work series. Operations on the surface grinder

Operations on the turret lathe series
see Machine shop work series. Operations on the turret lathe

Operations on the variety saw series
see Precision wood machining series. Operations on the variety saw

Operations on the vertical boring mill series
see Machine shop work series. Operations on the vertical boring mill

Operations on the vertical milling machine series
see Machine shop work series. Operations on the vertical milling machine

Operations on the wood lathe series
see Precision wood machining series. Operations on the wood lathe

Operative cholangiography (*Motion picture*) U. S. Veterans Administration, 1955.
17 min., sd., color, 16 mm.
Summary: Explains that operative cholangiography is a diagnostic method for use during biliary surgery which provides a means for detecting overlooked common duct stones and liver radical calculi beyond the reach of instruments, helps differentiate pancreatitis from carcinoma of the head of the pancreas, and can demonstrate spasm of the sphincter of Oddi as well as subsequent fibrosis on the biliary tract. Demonstrates each step of the complete operative cholangiography technique.
Borrow from VA.

Operative dentistry series
see
Amalgam restoration
Cavity preparation
Matrix

The operator and his job (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
12 min., sd., b&w, 16 mm. (Automotive series. Bus operation, no. 1)
Order no. OE 491.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Illustrates three responsibilities of the bus operator: safety and comfort of his passengers, maintenance of schedules, and a courteous attitude toward passengers.
Buy from NF.

The operator and his job (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
31 fr., b&w, 35 mm. (Automotive series. Bus operation, no. 1)
Order no. OE 491-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The operator and his passengers (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
18 min., sd., b&w, 16 mm. (Automotive series. Bus operation, no. 2)
Order no. OE 492.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Importance of good customer relations and ways of handling problems such as expired transfers, people who miss their stops, and getting passengers to move to the rear of a bus.
Buy from NF.

The operator and his passengers (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
[illegible]3 fr., b&w, 35 mm. (Automotive series. Bus operation, no. 2)
Order no. OE 492-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The operator and safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
19 min., sd., b&w, 16 mm. (Automotive series. Bus operation, no. 3)
Order no. OE 493.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Importance of safety in bus operation; how to operate safely in passing cars, at intersections, at bus stop zones, and under special weather conditions.
Buy from NF.

The operator and safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
71 fr., b&w, 35 mm. (Automotive series. Bus operation, no. 3)
Order no. OE 403-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Operator's adjustments, D-7 tractor, series
see
Adjusting the Le Tourneau power control unit
Fan belt and water pump
Flywheel clutch and starting engine clutch
Steering, clutch, and brake
Tracks

Optical craftsmanship series
see
Beveling, grooving, and rounding
Introduction to optics
[Optical] inspection methods, part 1
[Optical] inspection methods, part 2
[Optical] production methods

Optical craftsmanship series. Flat surfaces
see
Fine grinding and polishing
Rough grinding
Rough grinding with a vertical surface grinder

Optical craftsmanship series. Spherical surfaces
see
Centering, edge grinding, and beveling
Fine grinding
Pitch buttoning and blocking
Polishing
Rough grinding
Rough grinding by pin-bar
Rough grinding with a curvature generator

[Optical] inspection methods, part 1 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.
26 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-m.
Summary: Explains visual methods of inspection, the use of gages, the necessity for checking the gages, and the theory and use of Newton's rings as an inspection method.
Borrow from Navy. Buy from NF.

[Optical] inspection methods, part 2 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.
19 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-n.
Summary: Explains methods of inspection of prisms and spherical lenses, and illustrates the use of the spectrometer.
Borrow from Navy. Buy from NF.

[Optical] production methods (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.
31 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-o.
Summary: Describes organization and administration of an optical production shop on a mass production scale, including plant layout, training of personnel, need for inspection, classification of rejects, etc.
Borrow from Navy. Buy from NF.

Oral administration of medications (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.
13 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576-j.
Summary: Presents the duties of hospital corpsmen in administering medications by mouth to patients in wards of naval hospitals. Demonstrates in detail the preparation of medication and treatment cards in accordance with the orders of medical officers; the use of medication and treatment board as a convenient method for reminding personnel to administer medications at correct times; the preparation of specific doses of various types of oral medications; and the procedure to be followed when administering the medications to patients.
Borrow from Navy. Buy from NF. Cleared for tv.

Oral cance[illegible] The problem of early diagnosis (*Motion picture*) U[illegible] Public Health Service and American Cancer Society, 1[illegible] Made by Audio Productions.
25 min., sd., color, 16 mm.
With booklet. Order no. MIS-535.
Summary: Emphasizes techniques of biopsy in the diagnosis of cancer of the oral cavity; shows mouth examination performed by dentists and physicians; and describes a series of case histories. For professional audiences.
Borrow from ACS *or* NCI. *Buy from* ACS.

Oral hygiene for hospitalized patients (*Motion picture*) U. S. Veterans Administration, 1957.
15 min., sd., color, 16 mm.
Summary: A dental hygienist gives four demonstrations on how to clean teeth: on a model, on herself, on a sitting patient, and on a bed patient.
Borrow from VA.

Oral hygiene: Toothbrush technique (*Filmstrip*) U. S. Public Health Service, 1949.
30 fr., color, 35 mm. and disc: 1 s., 10 in., 33⅓ rpm, 5 min.
Order no. 5-135.
Summary: Discusses the importance of oral hygiene and of oral prophylaxis by a dentist or dental hygienist every six month, and demonstrates methods of home care of the teeth.
Borrow from PHS. *Buy from* NF.

Oral prophylactic techniques (*Motion picture*) U. S. Dept. of the Air Force, 1958.
25 min., sd., b&w, 16 mm.
Order no. TF 1-8171.
Summary: Presents [illegible]p-by-step procedures for performing oral prophylaxis treatment of patients. Emphasizes the importance of oral hygiene and the use of extreme care and dental skill when treating a patient.
Borrow from AF. *Buy from* NF.

Oral rehabilitation (*Motion picture*) U. S. Veterans Administration, 1954.
20 min., sd., color, 16 mm.
Summary: Deals with the surgical treatment of gingival hyperplasia in a patient in whom the condition has developed as a result of the administration of diphenylhydantoin sodium for the control of epilepsy. Gives a detailed medical and dental diagnosis and the plan of treatment consisting of a lower anterior gingivoplasty and the construction of a temporary acrylic splint. Supplements intraoral photographs, which show the region to be incised, by demonstrations on plaster models and roentgenograms. Shows a histological study of the tissue and demonstrates curettage, post-operative treatment, insertion of the acrylic splint, and the instruction of the patient in oral hygiene. Postoperative intraoral photographs show complete healing.
Borrow from VA.

Orchids (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm.
Summary: Shows the many varieties of orchids and other flowers of Latin America photographed in their natural color and setting.

Buy from NF.

Ordnance service in an overseas theater (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.
37 min., sd., b&w, 16 mm.
Order no. MF 9–1255.
Summary: Shows ordnance supply, service, maintenance, repairs, salvage, reclamation activities, utilization of personnel, and communications zone operations in the China-Burma-India theater of operations during World War II.

Borrow from Army. *Buy from* NF.

Oregon and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1951.
30 min., sd., color, 16 mm.
Order no. 242.
Summary: Portrays the mineral resources, mining operations, forests, agriculture, fisheries, recreation areas, and scenic views of Oregon.
Borrow from BM. *Cleared for tv.*

The organic moderated reactor experiment (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1958.

16 min., sd., color, 16 mm.
Summary: Shows the fabrication of the reactor vessel, including the tank, removable top, grid plate supports, fuel rack, and process piping nozzles. Includes views of the fabrication and installation of the fuel elements and control rods and drives, of installation, of preoperational testing, of start-up, and of operation.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Organization and mechanics of writing (*Motion picture*) U. S. Dept. of the Air Force, 1959.
35 min., sd., b&w, 16 mm.
Order no. TF 1–5225.
Summary: Explains the techniques used to develop good paragraphs and ideas: shows how to arrange words in proper order, how to punctuate, and how to organize a paper.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Organization: Key to air power (*Motion picture*) U. S. Dept. of the Air Force, 1957.
17 min., sd., color, 16 mm.
Order no. SFP 407.
Summary: Explains the basic principles of organization through application to various types of Air Force installations and activities, and discusses organizational principles as they concern ARDC research centers and global-wide detachments of communications, weather, security, and Air Rescue Service units.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Organized mosquito control (*Motion picture*) U. S. Public Health Service, 1955.
16 min., sd., color, 16 mm.
Order no. M 191.
Summary: Shows a sampling to determine the species of mosquitoes present, their relative abundance, and types of breeding places; dipping for larvae to determine major problem areas; breeding sites as determinants of flight ranges; three common methods of mosquito abatement—permanent control through water management, larviciding, and killing adults on the wing or in resting places; and five major problem areas—fresh water swamps and depressions, salt marshes, lakes and farm ponds, irrigated fields and pastures, and urban areas. Emphasizes the importance of an organized mosquito control program.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Orientation: The 90 degree method (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
10 min., sd., b&w, 16 mm. (Instrument flight control series)
Order no. MN 1059–z.
Summary: Shows when to use 90 degree method of radio range orientation: explains the effect of wind, and demonstrates the use of this method in a square sector, an open sector, and a closed sector.

Borrow from Navy. *Buy from* NF.

Origin and synthesis of plastics materials (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Plastics series, no. 1)
Order no. OE 466.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: Organic origin of plastics and the resemblance of synthetic compounds to natural substances; synthesis of plastics from natural substances; forms in which plastics are produced; and typical plastics products.

Buy from NF.

Origin and synthesis of plastics materials (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
40 fr., b&w, 35 mm. (Plastics series, no. 1)
Order no. OE 466–fs.
Supplements motion picture of the same title.
With instructor's manual.

Buy from NF.

Origins of the motion picture (*Motion picture*) U. S. Dept. of the Navy, 1955.
21 min., sd., b&w, 16 mm.
Order no. MN 8103.
Summary: An historical record of the development of the machinery and arts of the motion picture, from the earliest suggestions of Leonardo da Vinci to the perfected sound motion picture of Edison. Highlighted are the thaumatrope, zoetrope, phenakistoscope, praxinoscope, and the work of Plateau, Daguerre, Muybridge, Marey, Edison, Armat, Dickson, and others. Includes scenes made as early as 1880 and some early naval historical pictures of the Great White Fleet, the submarine "Holland," and 19th century marines.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Oscillators (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.
13 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540–i.
Summary: Explains the basic principles of electronic oscillation.

Borrow from Navy. *Buy from* NF.

Our American heritage (*Motion picture*) U. S. Dept. of Defense, 1949.
10 min., sd., b&w, 16 mm.
Order no. AFSR 107.
Summary: A brief review of the U. S. Constitution and particularly the Bill of rights.

Borrow from Army. *Buy from* NF.

Our food and our health (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., color, 16 mm.
Order no. TF 8–1476.
Summary: Shows that proper eating habits are a factor in maintaining the individual soldier's health and well being.

Borrow from Army. *Buy from* NF.

Our land—its many faces (*Motion picture*) U. S. Dept. of Agriculture, 1962.

14 min., sd., color, 16 mm.
Summary: Emphasizes the importance of the land as a source of food, fiber, and water.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Our magic land (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the U. S. Dept. of the Interior and the Boy Scouts of America, 1957.
16 min., sd., color, 16 mm.
Summary: Explains how man and nature work together in helping to maintain a cover of plants and trees on the land, keep rivers and streams clean and clear, and protect the wildlife of the forest.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Our nearest star (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by Martin Co.
12 min., sd., color, 16 mm.
Summary: Explains that an isotopic-power system has been placed in orbit aboard the Transit Four-A navigation satellite, the first application of nuclear power in space. Follows the development testing of the radioisotope fuel capsule and the thermoelectric generator that make up this SNAP system.

Borrow from AEC. Buy from FU. Cleared for tv.

Our sons (*Motion picture*) U. S. Dept. of the Army, 1958.
36 min., sd., color, 16 mm.
Order no. MF 45-8798.
Summary: Explains the new Reserve Forces act for men 17 to 18½ and 18 to 26 years of age. Describes the 6-months active duty program, including induction and processing; pre-basic orientation; basic training; advanced individual training; and tactical maneuvers in the field. Emphasizes the personal opportunities and career development afforded by the Army Reserve enlistment programs.
Borrow from Army. *Cleared for tv.*

Our stand in Korea (*Motion picture*) U. S. Dept. of Defense, 1950.
22 min., sd., b&w, 16 mm.
Order no. AFSR 121.
Summary: Chronological report of the Korean crisis from the assault on the Republic of [illegible] by North Korean Forces, June 24, 1950, to July 8, 1950. President Truman's statement of American determination to preserve the freedom of South Korea.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Our times series
see
Revolt of a generation

Our town is our classroom (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Summary: Shows pupils learning about the government of their town by sitting in on the town's council meetings, listening to court sessions, and attending meetings of citizens and public officials. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Out of Hungary to freedom (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.
19 min., sd., b&w, 16 mm.
Summary: Reviews the exodus of the Hungarian refugees during the winter of 1956–57, including their temporary stay in Austria, departure for their new homes, and welcoming ceremonies in many different countries. Includes scenes of the visit of Vice-President Nixon to refugee camps in Austria. Depicts Hungarians in the U. S. adjusting to their new lives. Prepared for overseas use.

Buy from NF.

Out of the woods (*Motion picture*) U. S. Dept. of Agriculture, 1955.
15 min., sd., color, 16 mm.
Summary: Describes typical farm forestry problems and portrays how one hard-pressed farmer solves his problems with the aid of the local forester. Also discusses the improvement of a small sawmill for greater economy and efficiency.
Rent from DA film libraries. *Cleared for tv.*

Outboard fisherman, USA (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the Outboard Marine and Manufacturing Co., 1956.
27 min., sd., color, 16 mm.
Summary: Shows the various uses of outboard motor boats by fishermen along the east and west coasts of the United States and in the Gulf of Mexico.
Borrow from FWS. *Cleared for tv. Prior authorization required.*

Outbreak (*Motion picture*) U. S. Dept. of Agriculture, 1949.
30 min., sd., color or b & w, 16 mm.
Summary: Traces the history of foot-and-mouth disease; explains what happened in the 1929 outbreak in California; and shows the cooperative measures used by the Mexican and United States Governments in combatting the outbreak of 1949.
Rent from DA Film Libraries. *Buy from* NF.

An outbreak of Salmonella infection (*Motion picture*) U. S. Public Health Service, 1954.
14 min., sd., color, 16 mm. (Food handling series)
Order no. M 148–a.
Summary: Presents a study case of a simulated typical outbreak of food-borne illness caused by organisms of the *Salmonella* group. Discusses source and means of contamination, factors contributing to the survival and transfer of the organism, important conditions of environment and general food handling practices, and effects of the outbreak.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

An outbreak of Staphylococcus intoxication (*Motion picture*) U. S. Public Health Service, 1954.
12 min., sd., color, 16 mm.
Order no. M 148–b.
Summary: Presents a case study of a typical outbreak of food-borne illness cause by *Staphylococcus* organisms, including symptoms of the victims, tracing the source of the organisms as *Staphylococcus aureus* in pastry filling, and the reasons for the incidence of the organisms in the food.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Outloading of Diesel locomotives (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
13 min., sd., b&w, 16 mm.
Order no. FB 55-248.
Summary: Presents the problems and proper techniques for loading Diesel locomotives aboard a cargo ship. Emphasizes the importance of teamwork and of stevedoring "know-how."
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Outlook charts, 1959 (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
176 double fr., b&w, 35 mm.
Order no. 719.
Summary: The annual October chart of statistics relative to agriculture in the United States.
Buy from PhotoLab.

Outside machinists series
see Shipbuilding skills series. Outside machinist

Over your signature: Position classification (*Motion picture*) U. S. Dept. of the Air Force, 1961.
19 min., sd., b&w, 16 mm.
Order no. TF 1–5346.
Summary: Shows how supervisors within the Air Force organization receive orientation in the principles of position classification. Includes a review of the Classification act of 1949 and the National security act of 1947, and gives step-by-step procedure for classifying a new position and reclassifying an existing position.
Borrow from AF. *Buy from* NF.

Overhauling camshaft assembly and crankcase section (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

19 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 270.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to inspect the camshaft and gear case cover assembly parts; inspect and recondition the crankcase section; measure crankcase bearings; and inspect and recondition the remaining parts.

Buy from NF.

Overhauling camshaft assembly and crankcase section (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

42 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 270-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Overhauling crankshaft assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

19 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 269.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to clean the parts of a disassembled engine; inspect and recondition crankshaft assembly parts; determine clearances and check for out-of-round; and check the clearances against specifications.

Buy from NF.

Overhauling crankshaft assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

41 fr., b&w, 45 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 269-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Overhauling the carburetor (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

23 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 267.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to remove the carburetor assembly from the engine; disassemble, clean, inspect, and reassemble the carburetor; check the fuel level; and reinstall the carburetor assembly.

Buy from NF.

Overhauling the carburetor (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

48 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 267-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Overseas duty (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 2.

Summary: Points out to military personnel the importance of an overseas assignment, problems that may be encountered in the various overseas commands and occupied countries, and the proper conduct to be observed by individual soldiers. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army.

Overtaking at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-q.

Summary: Illustrates the correct use of whistle signals in overtaking situations on the ocean and in inland waters.

Borrow from Navy. Buy from NF.

Overtaking situation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

15 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202-n.

Summary: Gives whistle signals to be used when overtaking on the ocean, in inland waters, and in narrow channels; and demonstrates examples of their use.

Borrow from Navy. Buy from NF.

Ovulation, fertilization, and early development of the mammalian egg
see
How animal life begins
In the beginning

The oxy-acetylene flame, master of metals (*Motion picture*) U. S. Bureau of Mines in cooperation with International Acetylene Association, 1950.

19 min., sd., color, 16 mm.
Order no. 238.

Summary: Shows how oxygen and acetylene are blended to form a flame to cut, weld, solder, braze, and harden metal. Demonstrates the forming of teeth on tractor gears, welding gray cast iron, hardening the working edge of plows, and joining metals by fusing melted bronze.

Borrow from BM. Cleared for tv.

Oxy-acetylene welding: Light metal (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

21 min., sd., b&w, 16 mm. (Welding procedures series. Oxyacetylene welding, no. 1)
Order no. OE 190.
With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to assemble a gas welding outfit; adjust gas pressures; adjust the flame; and make a butt weld and a T weld in light tubing.

Buy from NF.

Oxy-acetylene welding: Light metal (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

41 fr., b&w, 35 mm. (Welding procedures series. Oxyacetylene welding, no. 1)
Order no. OE 190-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Oxyacetylene welding series
see Welding procedures series. Oxyacetylene welding

Oxygen cutting series
see Welding procedures series. Oxygen cutting

Oxygen equipment (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

80 fr., b&w, 35 mm.
Order no. FS 1-255.

Summary: Explains the operation, inspection, and maintenance of oxygen equipment such as cylinders, valves and tubing, regulators, indicators, masks and mouthpieces, and auxiliary equipment.

Borrow from AF.

Oxygen: Inflight equipment (*Motion picture*) U. S. Dept. of the Air Force, 1956. Released for public educational use 1961.

18 min., sd., color, 16 mm.
Order no. TF 1-5038b.
Summary: Explains that the use of oxygen and highly perfected equipment makes possible present-day high-speed, high-altitude flying. Shows the A-14 and A-13 masks; proper fitting of mask and helmet; partial pressure suit; oxygen control techniques concerning hypoxia, bends, fumes, and wounds; emergency oxygen equipment and instructions prior to bail-out at high altitudes.
Borrow from AF.

Oxygen: Inflight requirements (*Motion picture*) U. S. Dept. of the Air Force, 1956. Released for public educational use 1961.

23 min., sd., color, 16 mm.
Order no. TF 1-5038a.
Summary: Describes the effects of oxygen on the pilot and crew at various altitudes. Explains dangers of hypoxia and "bends" and shows decompression chamber tests.
Borrow from AF.

Oxygen, nitrogen generating plant distillation column control (*Motion picture*) U. S. Dept. of the Air Force, 1960.

24 min., sd., color, 16 mm.
Order no. TF 1-5334.
Summary: Shows the progressive flow and treatment of atmospheric air through a typical oxygen, nitrogen generating plant to produce either liquid or gaseous oxygen or nitrogen.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Oxyhemoglobin method for measuring hemoglobin
see Chemical techniques: Oxyhemoglobin method for measuring hemoglobin

P

PM-1 nuclear power plant (*Motion picture*) U. S. Atomic Energy Commission, 1962. Made by Martin Co.

20 min., sd., color, 16 mm.
Summary: A report of the PM-1 nuclear power plant (a pressurized water system), a joint project of the AEC and the Air Force which supplies the power for the radar and space heating of a remote Air Defense Command radar station in Wyoming. Gives details on major components and the design and operation of the system.

Borrow from AEC. *Buy from* CP. *Cleared for tv.*

PVA-fixative technique in the diagnosis of amebiasis (*Filmstrip*) U. S. Public Health Service, 1950.

72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. 5-153.
Summary: Demonstrates a method of preserving fecal specimens in PVA fixative, examination of specimens, and shipment of specimens.

Borrow from PHS. *Buy from* NF.

Pacific area; Netherlands East Indies
see Theatres of war series. Pacific area; Netherlands East Indies

Pacific area series
see Theatres of war series. Pacific area

Pacific enemy, malaria (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., color, 16 mm. (Medicine in action series, no. 1)
Order no. MN 3726-a.
Summary: Covers suppressive theory such as malaria discipline and value of atabrine, and control measures such as elimination of pools of water, spraying of water, cutting of underbrush, and treatment of natives.

Borrow from Navy. *Buy from* NF.

Pacific halibut fishing (*Motion picture*) U. S. Fish and Wildlife Service, 1949.

16 min., sd., color, 16 mm.
Summary: Explains and portarys the methods used in a North Pacific halibut fishery, and the work on a fishing vessel in fishing grounds off Alaska.
Borrow from FWS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

The Pacific missile range (*Motion picture*) U. S. Dept. of the Navy, 1960.

14 min., sd., color, 16 mm.
Order no. MN 8879.
Summary: Discusses the operational facilities, concepts, and capabilities of the Pacific missile range at Point Mugu and Point Arguello, California.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Pacific pathways (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.

20 min., sd., b&w, 16 mm.
Order no. AFSR 93.
Summary: A pictorial review of the Pacific campaign under General MacArthur, from Australia to Japan in World War II.

Borrow from Army. *Buy from* NF.

Packaging and packing: Carloading (*Filmstrip*) U. S. Dept. of the Army, 1960.

60 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm., 17 min.
Order no. SFS 38-44
Summary: Explains the need for proper loading of railcars, and shows how the rules and regulations established by the Association of American Railroads guide the shipper in loading open and closed cars.

Borrow from Army.

Packaging and packing: Cleated panel boxes (*Filmstrip*) U. S. Dept. of the Army, 1961.

57 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm., 17 min.
Order no. SFS 38-65
Summary: Describes the styles, limitations, construction, and strapping requirements for each type of cleated box used in packing military supplies for shipment.

Borrow from Army.

Packaging and packing: CONEX containers (*Filmstrip*) U. S. Dept. of the Army, 1959.

54 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-55.
Summary: Describes the features and use of CONEX containers employed by the Armed Forces to ship military supplies.
Borrow from Army.

Packaging and packing: Cushioning, blocking and bracing, part 1 (*Filmstrip*) U. S. Dept. of the Army, 1960.

42 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 10 min.
Order no. SFS 38-57
Summary: Explains the nature and functions of blocking, bracing, and cushioning employed in the preservation and packaging of military supplies, and discusses the factors to be considered in applying these measures to various types of items.

Borrow from Army.

Packaging and packing: Cushioning, blocking and bracing, part 2 (*Filmstrip*) U. S. Dept. of the Army, 1960.

53 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 15 min.
Order no. SFS 38-58.
Summary: Discusses the nature and characteristics of the various types of materials commonly used for cushioning, blocking, and bracing supplies being packaged for shipment or storage.

Borrow from Army.

Packaging and packing: Cushioning, blocking and bracing, part 3 (*Filmstrip*) U. S. Dept. of the Army, 1960.

52 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.
Order no. SFS 38-59
Summary: Describes the methods and techniques employed in cushioning, blocking and bracing supplies, underscoring the importance of the proper application of these measures for preservation of materiel during shipment or storage.

Borrow from Army.

Packaging and packing: Determination of methods of preservation (*Filmstrip*) U. S. Dept. of the Army, 1959.
36 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-30.
Summary: Discusses the factors considered in the preservation of military items prepared for shipment or storage, and explains the six methods of preservation employed.
Borrow from Army.

Packaging and packing: Economy in packaging and packing (*Filmstrip*) U. S. Dept. of the Army, 1961.
52 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.

Order no. SFS 38-70
Summary: Discusses the importance of economy in packaging and packing military supplies and describes how this objective is achieved.

Borrow from Army.

Packaging and packing: Fabrication of corrugated fiberboard cells and pads (*Filmstrip*) U. S. Dept. of the Army, 1959.
38 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-32.
Summary: Describes the construction and use of corrugated fiberboard cells and pads and shows how the correct use of cells and pads serves to block, brace, and cushion an item within a container.
Borrow from Army.

Packaging and packing: Fully sheathed crates (*Filmstrip*) U. S. Dept. of the Army, 1958.
53 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-40.
Summary: Discusses the use and basic construction requirements of fully sheathed crates as specified in MIL-C-104.
Borrow from Army.

Packaging and packing: Heat sealing (*Filmstrip*) U. S. Dept. of the Army, 1961.

55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 38-64
Summary: Describes the materials, equipment, and requirements involved in making and testing heat sealings used to protect military supplies packed for shipment.

Borrow from Army.

Packaging and packing: Marking (*Filmstrip*) U. S. Dept. of the Army, 1959.
50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-41.
Summary: Describes the methods used to mark military shipping containers, the various markings required, and the proper location of markings on the different types of packaging.
Borrow from Army.

Packaging and packing: Method IB (*Filmstrip*) U. S. Dept. of the Army, 1959.
48 fr., b&w, 35 mm. and disc: 1 s., 16 in., 53⅓ rpm, 10 min.
Order no. SFS 38-48.
Summary: Describes the use and application of method IB for waterproof and vaporproof protection of articles through strippable compound coating and hot dip.
Borrow from Army.

Packaging and packing: Methods of applying contact preservatives (*Filmstrip*) U. S. Dept. of the Army, 1960.

50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 38-52
Summary: Explains the necessity for the proper application of contact preservatives to protect military supplies against the hazards of weather, shipment, and storage. Describes seven authorized methods of applying contact preservatives—dipping, flow coating, slushing, filling, fogging, spraying, and brushing.

Borrow from Army.

Packaging and packing: Methods of cleaning and drying (*Filmstrip*) U. S. Dept. of the Army, 1960.

57 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-53
Summary: Describes the purpose, proper application, and procedures for accomplishing the cleaning and drying processes listed in MIL-P-116 for the preservation, packaging, and packing of military supplies.

Borrow from Army.

Packaging and packing: Methods of preservation (*Filmstrip*) U. S. Dept. of the Army, 1959.
59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 38-54
Summary: Describes the fundamentals and application of the six basic methods of preservation for the protection of military supplies during handling, shipment, and storage.
Borrow from Army.

Packaging and packing: Methods of preservation (includes IA methods) (*Filmstrip*) U. S. Dept. of the Army, 1958.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 38-33.
Summary: Describes method IA and sub-methods for packaging matériel and explains how the method affords water-vaporproof protection to items, and how it can be accomplished.
Borrow from Army.

Packaging and packing: Methods of preservation, method I, preservative coating (with greaseproof wrap as required) (*Filmstrip*) U. S. Dept. of the Army, 1959.
49 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-50.
Summary: Describes the use, requirements and application of preservation designed to provide corrosion protection to simple type, low cost metal items of a noncritical nature.
Borrow from Army.

Packaging and packing: Methods of preservation, method IC, waterproof barrier (with preservative as required) (*Filmstrip*) U. S. Dept. of the Army, 1958.
45 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-38.
Summary: Describes the basic concept of method IC for packaging supplies as outlined in MIL-P-116.
Borrow from Army.

Packaging and packing: Methods of preservation, method II (*Filmstrip*) U. S. Dept. of the Army, 1958.
45 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. SFS 38-36.
Summary: Explains and illustrates the method II packaging concept as outlined in Military specification MIL-P-116.
Borrow from Army.

Packaging and packing: Methods of preservation, method 3 (*Filmstrip*) U. S. Dept. of the Army, 1961.

47 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-63
Summary: Describes the need, use, and steps involved in method 3 of preserving and packaging military supplies in accordance with MIL-P-116.

Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IA–1, conforming wrap, dipcoat sealed (*Filmstrip*) U. S. Dept. of the Army, 1959.
55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 38–34.
Summary: Describes the degree of protection afforded when packaging supplies by sub-method IA–1, and demonstrates step-by-step how this method is accomplished.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IA–2, container, overwrap, dipcoat sealed (*Filmstrip*) U. S. Dept. of the Army, 1959.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 38–35.
Summary: Describes the level of protection afforded by sub-method IA–2, the types of items for which it may be used, and how it can be accomplished.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IA–8 water-vaporproof bag, sealed (*Filmstrip*) U. S. Dept. of the Army, 1960.
60 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm., 17 min.
Order no. SFS 38–49
Summary: Explains the need for proper loading of railcars, and shows how the rules and regulations established by the Association of American Railroads guide the shipper in loading open and closed cars.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IIb, container, barrier, container (*Filmstrip*) U. S. Dept. of the Army, 1959.
58 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 38–51.
Summary: Describes the use, requirements, and application of a method designed to provide water-vaporproof protection to high-cost, critical items.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IIc, cushioned item, bag (*Filmstrip*) U. S. Dept. of the Army, 1959.
43 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38–60.
Summary: Describes the use, requirements, and application of a method designed to give water-vaporproof protection to small, lightweight, critical items.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-methods IId, rigid metal container, sealed (*Filmstrip*) U. S. Dept. of the Army, 1958.
34 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. SFS 38–37.
Summary: Explains the level of protection afforded by sub-method IID and demonstrates the step-by-step procedure involved.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IIe, container barrier (*Filmstrip*) U. S. Dept. of the Army, 1958.
47 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 38–47.
Summary: Describes the sub-method IIE concept of packaging as specified in MIL–P–116.
Borrow from Army.

Packaging and packing: Methods of preservation, sub-method IIf (*Filmstrip*) U. S. Dept. of the Army, 1960.
40 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38–62
Summary: Describes the need, use, and steps involved in submethod IIf of preserving and packaging critical military supplies.
Borrow from Army.

Packaging and packing: Miscellaneous shipping containers (*Filmstrip*) U. S. Dept. of the Army, 1961.
48 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 14 min.
Order no. SFS 38–69
Summary: Describes the features and application of miscellaneous shipping containers most commonly used by the Armed Forces for shipping materiel.
Borrow from Army.

Packaging and packing: Nailed wood boxes (*Filmstrip*) U. S. Dept. of the Army, 1959.
54 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38–39.
Summary: Describes the characteristics, use, construction, and versatility of nailed wood boxes for packaging supplies.
Borrow from Army.

Packaging and packing: Palletization (*Filmstrip*) U. S. Dept. of the Army, 1960.
48 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 38–43
Summary: Discusses the need, types, construction, and use of pallets to consolidate shipments of supplies for the Armed Forces.
Borrow from Army.

Packaging and packing: Preparation of freight for air shipment (*Filmstrip*) U. S. Dept. of the Army, 1961.
51 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 38–67
Summary: Discusses the principles governing the preparation of military freight for air shipment to assure adequate protection at minimum cost.
Borrow from Army.

Packaging and packing: Specifications (*Filmstrip*) *U. S.* Dept. of the Army, 1960.
61 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.
Order no. SFS 38–56
Summary: Describes the nature and use of Government specifications to assure commodity and process requirements, showing how they assist both the Government and the supplier.
Borrow from Army.

Packaging and packing: Strapping of military shipments (*Filmstrip*) U. S. Dept. of the Army, 1958.
64 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 38–42.
Summary: Describes the basic requirements for strapping exterior shipping containers.
Borrow from Army.

Packaging and packing: Sub-method IIa, floating bag (*Filmstrip*) U. S. Dept. of the Army, 1959.
51 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38–46.
Summary: Explains the sub-method IIA floating-bag technique for protecting complex items against corrosion and damage.
Borrow from Army.

Packaging and packing: Unsheathed crates (*Filmstrip*) U. S. Dept. of the Army, 1960.
61 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 17 min.
Order no. SFS 38–61
Summary: Describes the basic construction, use, and advantages of unsheathed crates designed for domestic and overseas shipment of military supplies.
Borrow from Army.

Packaging and packing: Use of salvaged packaging materials (*Filmstrip*) U. S. Dept. of the Army, 1955.
78 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.
Order no. SFS 38–27.
Summary: Illustrates the use of salvaged packaging materials, including wire-bound wood boxes, inner envelopes and wrappings, crates, and other types of containers.
Borrow from Army. *Buy from* NF.

Packaging of evidence for transmittal to the Military Police Criminal Investigation Laboratories (*Filmstrip*) U. S. Dept. of the Army, 1956.
50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 19-14.
Summary: Explains the basic techniques of packaging evidence for transmittal to the Military Police Criminal Investigation Laboratory in order to insure that the evidence arrives in its original state free of contamination. Describes packing materials and procedures, marking items and referencing to letter of transmittal, and wrapping, sealing, and marking shipping containers.
Borrow from Army.

Painting series
see Farm work series. Painting

Painting ships bottoms: Hot and cold plastic anti-fouling paint (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm.
Order no. MN 2528-b.
Summary: Explains favorable conditions for painting, how to prepare paint, safety measures, and advantages of plastic paints.
Borrow from Navy. *Buy from* NF.

Painting ships bottoms: Sandblasting (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., color, 16 mm.
Order no. MN 2528-a.
Summary: Shows how to set up and use continuous and intermittent sandblast equipment, and how operator is clothed.
Borrow from Navy. *Buy from* NF.

Pan American Air Force school (*Motion picture*) U. S. Dept. of the Air Force, 1955.
7 min., sd., b&w, 16 mm.
Order no. SEP 374.
Summary: Describes the U. S. Air Force school for Latin America at Albrook Air Force Base, Panama Canal Zone.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Panama (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 60.
Summary: Explains the historical background and current social, economic, and military status of Panama. Illustrates Panama's significance to the United States and the function and welfare of the United States Armed Forces stationed in the Canal Zone.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Parachute landing falls (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm.
Order no. TF 31-2130
Summary: Demonstrates approved techniques for executing four parachute landing falls—right, left, front, and rear.
Borrow from Army.

Parachute landing techniques (*Motion picture*) U. S. Dept. of the Navy, 1960.
14 min., sd., b&w, 16 mm.
Order no. MN 9290-b.
Summary: Describes the techniques of making parachute landings on land and at sea, in daylight or at night, with various harnesses equipped with ejector snap and canopy releases.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Paraguay (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
Summary: Shows Paraguay and its people, the Indian culture of the country, and the quebracho and mate industries.
Buy from NF.

Parasitology series
see
Infective larvae of Wuchereria bancrofti
Microfilariae of Wuchereria bancrofti
Miracidia of Schistosoma japonicum
Movements of Endamoeba histolytica

Paratroops (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
Summary: Shows the training given paratroops in how to jump, fall, guide a 'chute, land, and recover ready for action.
Buy from NF.

Paricutin (*Motion picture*) U. S. Dept. of the Air Force, 1949.
23 min., sd., b&w, 16 mm.
Order no. SFP 232.
Summary: Documentary film record of the 1946 research expedition to the volcano, Paricutin, in Mexico. Includes scenes of the volcano and the lava flow as well as scenes of the crater and the erupting volcano taken from a helicopter.
Borrow from AF. *Buy from* NF.

Parking of aircraft (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
54 fr., b&w, 35 mm.
Order no. FS 1-872.
Summary: Describes the hand signals and procedures for taxiing, parking, and dispatching aircraft.
Borrow from AF.

Parotid gland and facial nerve (*Motion picture*) U. S. Veterans Administration, 1957.
24 min., sd., color, 16 mm. (Head and neck anatomy series, no. 4)
Summary: Demonstrates, on a cadaver, a systematic dissection layer by layer, showing the parotid gland in its relationship to other structures, facial nerve, and its branches.
Borrow from VA. *Buy from* NF.

Partial dentures: Biomechanics (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.
15 min., sd., color, 16 mm.
Order no. MN 6721.
Summary: Demonstrates the influence of forces of mastication on the design of partial dentures by dividing parts of partial dentures into bracing, supporting, and retaining elements. Emphasizes important construction details.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Partial neurorrhaphy of the sciatic nerve in the buttock (*Motion picture*) U. S. War Dept., 1946.
12 min., sd., color, 16 mm.
Order no. PMF 5104.
Summary: Points out precautions essential to proper surgical management in the case of an injury to the peroneal component of the sciatic nerve resulting from a bullet wound. For medical personnel.
Borrow from Army.

Pass in review (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

11 min., sd., b&w, 16 mm.

Order no. MF 45-7552.

Summary: Shows how the U. S. Army works for national security, covering recent events in airborne, amphibious, and cold weather training, as well as the Army's role in European and Pacific occupation.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Passengers, driving hazards, safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

14 min., sd., b&w, 16 mm. (Automotive series. School bus operation, no. 2)

Order no. OE 495.

With instructor's manual. Supplementary filmstrip of same title also issued.

Summary: Points out the driver's responsibility for the safety of child passengers; safe driving habits and safety in handling children getting on and off the bus.

Buy from NF.

Passengers, driving hazards, safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

41 fr., b&w, 35 mm. (Automotive series. School bus operation, no. 2)

Order no. OE 495-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Passport issued (*Motion picture*) U. S. Information Agency, 1957. Made by Tangent Films. Released for public educational use in the United States through U. S. Office of Education.

21 min., sd., b&w, 16 mm.

Summary: Explains the origin and traces the development of the modern passport, and how the Passport Office of the Department of State operates to issue over half a million passports a year to American citizens. Follows the procedure from original application through issuance of the passport. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Passport to tomorrow (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

28 min., sd., b&w, 16 mm. (The home nursing story, no. 5)

Based on the American Red Cross course for the care of the sick and injured.

With workbook.

Summary: Compares modern medicines and supplies with the old-fashioned medicine chest and shows how to give medicine according to the doctor's orders.

Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.

Buy from Red Cross. *Cleared for tv.*

Patagonian playground (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., color, 16 mm.

Summary: Shows the national park of Nahuel Huapi on the eastern slope of the Andes in Argentina, and the recreational activities in the park.

Buy from NF.

Patching fabric (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

22 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 250.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to cut out and prepare the damaged area: prepare, dope, rib-stitch, and finish a patch.

Buy from NF.

Patching fabric (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

46 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 250-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Patching plywood (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

26 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 249.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to splay the edge of a hole; prepare and apply a splayed patch; make a flush or plug-type patch; make a frame or doubler; and apply a flush patch.

Buy from NF.

Patching plywood (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

48 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 249-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Patching small holes in fabric (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

24 fr., b&w, 35 mm. (Fabric repairs series)

Order no. SN 1994-a.

Summary: Shows how small holes in airplane fabric are repaired; how the fabric should be prepared and a patch cut and applied to the fabric.

Borrow from Navy. *Buy from* NF.

Patching the L, T, and X type tears in fabric (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

13 fr., b&w, 35 mm. (Fabric repairs series)

Order no. SN 1994-b.

Summary: Shows how L, T, and X type tears in airplane fabric are repaired; how the fabric should be prepared and a patch cut and applied to the fabric.

Borrow from Navy. *Buy from* NF.

Patents and Air Force research and development (*Motion picture*) U. S. Dept. of the Air Force, 1955.

32 min., sd., b&w, 16 mm.

Order no. TF 1-5014.

Summary: Discusses the patent possibilities in ideas and devices developed by Air Force research and development employees. Explains how patentability of an idea is determined: how U. S. Patent Office search is made; the documents involved in applying for a patent; Government rights; sole rights; joint inventions; value of a project record book as documentary evidence; supervision of inventions in contract work; and promotions and awards as a result of inventions.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The pathology of schistosomiasis (*Motion picture*) U. S. Public Health Service, 1948.

2 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)

Order no. 4-068.

Summary: Views of pathological specimen material from chronic schistosomiasis.

Borrow from PHS.

Patriotism (*Motion picture*) U. S. Dept. of the Army, 1959.

8 min., sd., b&w, 16 mm.

Order no. TF 16-2790.

Summary: Dramatized story illustrating the concept of patriotism. Made for use by Army chaplains.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Pátzcuaro (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Rereleased for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm.
Summary: Pictures a day in the life of the Tarascan Indians on the shore of Lake Pátzcuaro west of Mexico City.
Buy from NF.

Peace and friendship in freedom: President Eisenhower's 11-nation tour (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.
39 min., sd., color, 16 mm.
Summary: Reports the December 1959 visit of President Eisenhower to eleven countries in the Middle East, South Asia, Africa, and Europe. Prepared for overseas use.
Buy from NF. Cleared for tv. Prior authorization required.

Peace through strength (*Motion picture*) U. S. Dept. of the Air Force, 1954.
14 min., sd., b&w, 16 mm.
Order no. SFP 276.
Summary: Describes Air Force planning of materiel requirements and the tests which must be made of equipment. Stresses that the price of peace is strength through air power.
Borrow from AF. Cleared for tv.

Penetrating wounds of the abdomen (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.
14 min., sd., color, 16 mm.
Order no. MN 7470.
Summary: Demonstrates five steps for handling penetrating wounds of the abdomen: make a speedy and accurate diagnosis, keep the patient on his back, apply a sterile dressing, treat for shock, and prepare for speedy evacuation.
Borrow from Navy. Buy from NF.

The pentomic Army (*Motion picture*) U. S. Dept. of the Army, 1958.
50 min., sd., color, 16 mm.
Order no. TF 20-2561.
Summary: Describes the reorganization of U. S. Army divisions to a pentomic or five battle group structure. Shows the weapons, both nuclear and conventional, and the equipment used by the organizational units.
Borrow from Army. Cleared for tv.

Perforación micrométrica (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
17 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)
Order no. OE 59-Sp.
Spanish version of Boring to close tolerances.
Buy from NF.

Performance of long range hypervelocity vehicles (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
30 min., sd., b&w, 16 mm.
Order no. HQ-2.
Summary: Discusses some of the problems of space flight and presents a generalized rocket propulsion equation, and discusses it in relation to ballistic, skip, and glide trajectories. Also gives a formula for average heat transfer rate, the stagnation point heat transfer rate, and explains how aerodynamic heating affects design. Shows a possible glide vehicle shape and briefly discusses its suitability for manned flight and the problem of re-entry from satellite orbit. For technical personnel and for advanced students of the aeronautical sciences.
Borrow from NASA.

Performing the BMR test (*Motion picture*) U. S. Dept. of the Air Force, 1958.
13 min., sd., b&w, 16 mm.
Order no. FTA 414.
Summary: Demonstrates procedures for preparing patients for the BMR determination test; shows techniques involved in the operation of the Sanborn metabulator BMR machine.
Borrow from AF.

Perfuração micrométrica (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
17 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)
Order no. OE 59-Port.
Portuguese version of Boring to close tolerances.
Buy from NF.

Pericardiectomy for chronic constrictive pericarditis (*Motion picture*) U. S. Veterans Administration, 1957.
10 min., si., color, 16 mm.
Summary: Describes briefly the findings in a case of chronic constrictive pericarditis. Shows and demonstrates the particular findings in chest radiograms and, in detail, the surgical technic of pericardiectomy via a vertical sternal-splitting approach.
Borrow from VA.

The periodic check-up (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 4)
Order no. OE 489.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Tuning up the engine, checking and adjusting the brake system, and inspecting the steering system, chassis, and body.
Buy from NF.

The periodic check-up (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
36 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 4)
Order no. OE 489-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Periodic functions (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.
17 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-c.
Summary: Defines periodic functions; illustrates the graphing of sine angles; and relates sine waves to the amount of voltage produced by a generator.
Borrow from Navy. Buy from NF.

Periodic inspection: Airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 282.
Supplemented by filmstrip of same title.
With instructor's manual.
Summary: Explains the importance and meaning of thoroughness in performing a periodic inspection, showing a complete detailed inspection of an aileron as an example.
Buy from NF.

Periodic inspection: Airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
51 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 282-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Periodic inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
23 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 283.
Supplemented by filmstrip of same title.
With instructor's manual.
Summary: Shows how to inspect the general condition of an engine; examine internal parts; check ignition and fuel system; examine the propeller; and prepare an engine for run-up.
Buy from NF.

Periodic inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
40 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 283-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Peripheral nerve surgery: Exploration of sciatic nerve in the thigh (*Motion picture*) U. S. Veterans Administration, 1959.
11 min., sd., color, 16 mm.
Summary: Demonstrates complete paralysis of the sciatic nerve in the mid one-third of the thigh preoperatively, the surgical exploration of the nerve with suture of the common peroneal and neurolysis of the tibial nerve, and recovering of function in the tibial nerve about six months postoperatively.
Borrow from VA.

Peripheral nerve surgery: Neurolysis of the musculocutaneous nerve (*Motion picture*) U. S. Veterans Administration, 1959.
13 min., sd., color, 16 mm.
Summary: Shows demonstration of preoperative examination of an incomplete paralysis of the musculocutaneous nerve, the surgical exploration and neurolysis, and the result.
Borrow from VA.

Peripheral nerve surgery. Part 1: Sciatic nerve (*Motion picture*) U. S. Dept. of the Army, 1947.
33 min., sd., color, 16 mm.
Order no. PMF 5061.
Summary: Shows the management of a typical peripheral nerve injury case of the World War II period, including preoperative, surgical, postoperative, and follow-up care.
Borrow from Army. *Buy from* NF.

Peripheral nerve surgery: Result following repair of the radial nerve in mid-third arm (*Motion picture*) U. S. Veterans Administration, 1959.
6 min., sd., color, 16 mm.
Summary: Demonstrates complete lesion of radial nerve in the mid-one third of arm, the surgical exploration and suture, and the result following suture two and one-half years postoperative.
Borrow from VA.

Perishable rush (*Motion picture*) U. S. Army Air Forces, 1945.
20 min., sd., b&w, 16 mm.
Order no. SFP 215.
Summary: Shows how the Army Air Forces during World War II flew wounded men from Pacific battle areas to hospitals and home towns in the United States.
Borrow from AF.

Permanent ditch linings (*Filmstrip*) U. S. Public Health Service, 1945.
107 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. 5-034.
Summary: Demonstrates the techniques of constructing monolithic concrete linings in ditches to prevent erosion.
Borrow from PHS.

Peroneal nerve anastomosis at the knee (*Motion picture*) U. S. Dept. of the Army, 1948.
7 min., sd., color, 16 mm.
Order no. PMF 5068.
Summary: Demonstrates a case of the peroneal nerve severed at the bend of the knee with evident foot drop and loss of sensation on the dorsum of the foot. Shows the technique used to effect repair. For medical personnel.
Borrow from Army.

Perseverance (*Motion picture*) U. S. Dept. of the Army, 1959.
6 min., sd., b&w, 16 mm.
Order no. TF 16-2739.
Summary: Dramatized story illustrating the concept of perseverance. Made for use by Army chaplains.
Borrow from Army.

Personal encounter (*Motion picture*) U. S. Dept. of the Army, 1951.
60 min., sd., b&w, 16 mm.
Order no. TF 19-1634.
Summary: Shows ten aspects of hand-to-hand fighting: principles of Judo, falling correctly, throwing, following-through, defense against body holds, defense against choke holds, taking prisoners, defense against wrestling holds, defense against knife or club, and offensive use of the police riot club. For law enforcement groups.
Borrow from Army. *Buy from* NF.

Personal integrity (*Motion picture*) U. S. Dept. of the Army, 1958.
7 min., sd., b&w, 16 mm.
Order no. TF 16-2518.
Summary: Dramatized story illustrating the concept of personal integrity. Made for use by Army chaplains.
Borrow from Army.

Personnel loading capabilities of the C-130 aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1954.
12 min., sd., b&w, 16 mm.
Order no. SFP 375.
Summary: Demonstrates various uses of the Jato-equipped C-130 aircraft, including carrying 64 paratroopers to the drop zone, returning to the base, carrying personnel and equipment necessary for a field medical station, and returning with 74 patients and two medical attendants.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Personnel parachute entanglements and recovery from twists (*Motion picture*) U. S. Dept. of the Army, 1956.
6 min., sd., b&w, 16 mm.
Order no. TF 31-2129
Summary: Explains how parachute entanglements and twists in suspension lines and risers occur, illustrating how to recover from both and how to avoid them.
Borrow from Army.

Peru (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
21 min., sd., b&w, 16 mm.
Summary: Shows modern social and economic life in Peru.
Buy from NF.

Peru's coastal region (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm.
Summary: Shows the cities, agriculture, and people of Peru's Pacific coastal plain.
Buy from NF.

La pesta alada (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm.

Spanish version of Winged scourge.

Summary: Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.

Buy from NF. Cleared for tv. Prior authorization required.

The petrified river: The story of uranium (*Motion picture*) U. S. Bureau of Mines, 1956.

28 min., sd., color, 16 mm.

Order no. 249.

Summary: Depicts the geologic theory of how uranium was deposited in beds of prehistoric rivers of the Colorado plateau. Shows present day prospecting, exploration, mining, and milling of uranium ores; the atomic reactor at Oak Ridge, Tenn.; and the peacetime uses of atomic energy.

Borrow from BM. Cleared for tv.

Petroleum supply point operations (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

27 min., sd., b&w, 16 mm.

Order no. TF 10-1742.

Summary: Shows the operational mission of a petroleum supply unit in the Quartermaster Corps; demonstrates the use of all types of cleaning, dispensing, and storage equipment; and stresses fire hazards and safety precautions.

Borrow from Army. Buy from NF. Cleared for tv.

A phenomenological analysis of catatonic expression (*Motion picture*) U. S. Veterans Administration, 1960.

35 min., sd., b&w, 16 mm.

Summary: Demonstrates the strange and rigid postures, the fixed stance and stare of the catatonic patient. Shows, by Rheoscopic comparisons, the discrete shifts in this rigidity. Demonstrates the effects of barbiturates on catatonic stupor.

Borrow from VA.

Philipping Islands (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

97 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min. (Theatres of war series. Pacific area)

Order no. SN 1538-t.

Summary: Discusses the three major areas (Luzon, Viscayan, Mindanao); the weather, terrain, location of cities and islands, edible food, fish, and animals; how to pick sleeping quarters; and how to protect oneself from pests.

Borrow from Navy. Buy from NF.

The Philippines (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

15 min., sd., b&w, 16 mm.

Order no. AFIF 48.

Summary: A pictorial study of the Philippines, covering its geography, political history, people, religions, industries, government, activities in World War II, and its current role in world affairs.

Borrow from Army. Cleared for tv.

The photographer (*Motion picture*) U. S. Dept. of State, 1948. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

28 min., sd., b&w, 16 mm.

Summary: Personality, philosophy, techniques, and artistry of Edward Weston, a contemporary American photographer, illustrated through scenes of Weston at his home in California and on location, working and talking with his students, and through exhibitions of his portraits. Prepared for overseas use.

Buy from NF.

Photographic highlights of USAF activities (*Motion picture*) U. S. Dept. of the Air Force, 1958.

8 min., sd., color, 16 mm.

Order no. SFP 573.

Summary: Shows an atomic detonation; acrobatics of the Thunderbirds, Air Force jet demonstration team; and advances in guided missile and other research and development projects.

Borrow from AF. Buy from NF. Cleared for tv.

Photographic highlights of USAF activities, 1959 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

7 min., sd., color, 16 mm.

Order no. SFP 1010.

Summary: Shows record flight and landing of the X-15, pictures of TAC's (Tactical Air Command) F-100's, SAC's (Strategic Air Command) B-52's, and T-38 jet trainers.

Borrow from AF. Buy from NF. Cleared for tv.

Photographic studies of preignition environment and flame initiation in turbojet-engine combustors (*Motion picture*) U. S. National Advisory Committee on Aeronautics, 1953.

18 min., sd., b&w with color inserts, 16 mm.

Summary: By use of transparent combustors shows the effect of combustor operating variables (air flow and pressure, fuel flow and temperature) and fuel-nozzle design on fuel-spray and air-flow patterns in the combustor primary zone at critical starting conditions. Includes pictures of flame propagation in a full-scale turbojet engine. For technical personnel to be used with NACA research memorandum E52I11: Photographic studies of preignition environment and flame initiation in turbojet-engine combustors.

Borrow from NASA.

Photography in the USAF: Scientific photography at the Air Force Flight Test Center (*Motion picture*) U. S. Dept. of the Air Force, 1963.

18 min., sd., color, 16 mm.

Order no. SFP 1162

Summary: Examines the Air Force Flight Test Center's photographic support of USAF's progress of space at Edwards Air Force Base. Pictures the cameramen whose coverage of the flight of a supersonic jet trainer, emergency aircraft procedures, new flight techniques, etc., provides material for history, training films, news releases, and commercial productions.

Borrow from AF. Buy from NF. Cleared for tv.

Photo-optics at White Sands (*Motion picture*) U. S. Dept. of the Army, 1961.

11 min., sd., color, 16 mm.

Order no. MF 45-9621

Summary: Traces the development of photo-optics at White Sands Missile Range since 1945, and emphasizes its value as a research tool in weapons systems and outer space achievements.

Borrow from Army.

Photos and photomaps (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

23 min., sd., b&w, 16 mm. (Basic map reading series, no. 5)

Order no. TF 5-1792.

Revision of 1945 film with same title, order no. TF 21-2075.

Summary: Explains how to identify terrain features on photos and photomaps by size, shape, shadow, relative tone, and relation to surrounding features.

Borrow from Army. Buy from NF. Cleared for tv.

Physical fitness for Waves: Make-up from the neck down (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

20 min., sd., b&w, 16 mm.

Order no. MN 2651.

Summary: Presents a physical fitness program designed to persuade Waves to exercise; points out value of sports but stresses the greater value of planned exercises and illustrates some of these exercises.

Borrow from Navy. Buy from NF.

Physical fitness program for the U. S. Navy (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1944.
25 min., sd., b&w, 16 mm.
Order no. MN 1138.
Summary: Shows some of the exercises given the naval trainee and correlates their value with the varied duties he will be called upon to perform afloat.
Borrow from Navy. Buy from NF.

Physical fitness training series
see
Navy standard physical fitness test
Navy standard swimming tests and abandoning ship drills

The physical principles of radiological safety (*Motion picture*) U. S. Dept. of the Army, 1954.
51 min., sd., b&w, 16 mm. (The radioisotope series, no. 5)
Order no. PMF 5145-e.
Summary: Explains the ionizing characteristics of alpha, beta, and gamma radiation; roentgen and roentgen measurement; maximum permissible exposure; formulas for calculation of exposure; problems of uniform and localized exposure; effect of physical decay and biological elimination on dosage rate; and concept of biological half-life and effective half-life.
Borrow from Army. Buy from NF. Cleared for tv.

Physical training, Army drill number one. Part 1: Exercises 1–4 (*Motion picture*) U. S. Dept. of the Army, 1956.
21 min., sd., b&w, 16 mm.
Order no. TF 21-2113.
Summary: Demonstrates four exercises—high jump, bend and reach, squat thrust, and rowing—taught as part of the U. S. Army training program.
Borrow from Army. Buy from NF. Cleared for tv.

Physical training, Army drill number one. Part 2: Exercises 5–8 (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm.
Order no. TF 21-2114.
Summary: Demonstrates four exercises—squat bender, push-ups, side bender, and body twist—taught as part of the U. S. Army training program.
Borrow from Army. Buy from NF. Cleared for tv.

Physical training, Army drill number one. Part 3: Exercises 9–12 (*Motion picture*) U. S. Dept. of the Army, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 21-2115.
Summary: Demonstrates four exercises—squat jumper, trunk twister, stationary run, and 8-count push-up—taught as part of the U. S. Army training program.
Borrow from Army. Buy from NF. Cleared for tv.

Physical training, Army drill number one. Part 4: Alternate exercises, supplementary activities (*Motion picture*) U. S. Dept. of the Army, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 21-2116.
Summary: Demonstrates two exercises—bottoms up, and turn and bounce—and supplementary activities used in the U. S. Army training program including running in formation, sprints, and cross-country runs; guerrilla exercises; grass drill; combative drill; and mass games and relays.
Borrow from Army. Buy from NF. Cleared for tv.

Physiology of high altitude flying (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Film Graphics.
13 min., sd., color, 16 mm.
Order no. MN 5311.
Summary: A cartoon character named Stanley illustrates the dangers of high altitude flying and is enlightened on the standard safety precautions.
Borrow from Navy. Buy from NF.

A piece of wood (*Motion picture*) U. S. Dept. of Agriculture, 1957.
14 min., sd., color, 16 mm.
Summary: Explains what has been done in research to determine better and more efficient uses of forest products; and how the U. S. Forest Products Laboratory at Madison, Wis., has been able to assist industry in meeting the Nation's needs for pulp and paper products.
Rent from DA Film Libraries. Buy from NF. Cleared for tv.

Pigeon holes and progress (*Motion picture*) U. S. Post Office Dept., 1953. Made by Vogue Wright.
20 min., sd., b&w, 16 mm.
Summary: Portrays the course of a letter through the postal system from sender to receiver, and explains briefly the more important features of the handling of mail of other types.
Borrow from PO. Cleared for tv.

Pile testing (*Motion picture*) U. S. Army Engineers, 1958.
17 min., sd., color, 16 mm.
Summary: Illustrates research in the use of piling to support structural loads on glacial fields of snow and ice. Presents field and laboratory tests and discusses the results of the tests.
Borrow from Eng. Cleared for tv.

A pilgrimage of liberty (*Motion picture*) U. S. Information Agency, 1958. Made by Victor Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1958.
31 min., sd., color, 16 mm.
Summary: A presentation of American monuments, memorials, national parks, and historical landmarks, and their significance to the people of the United States. Included are Mt. Vernon, Monticello, the Hermitage, and the birthplace of Lincoln; also Yosemite and Yellowstone National Parks, with a cross section of points of interest in various parts of the country. Prepared for overseas use.
Buy from NF. Cleared for tv. Prior authorization required.

The pilot and air traffic control (*Motion picture*) U. S. Dept. of the Air Force, 1956.
29 min., sd., b&w, 16 mm.
Order no. TF 1-5041.
Summary: Explains air traffic control procedures and techniques including en route, approach, and local power control; instrument plane control; air traffic control centers; air traffic controllers; ARTC, SFC, and ATC clearance procedures; checkpoints in flight; airways communications stations, control towers, and equipment; ILS and GCA radar approach control.
Borrow from AF. Buy from NF. Cleared for tv.

Pilot emergency escape survival system of the F/TF–102A (*Motion picture*) U. S. Dept. of the Air Force, 1958.
25 min., sd., color, 16 mm.
Order no. TF 1-5282.
Summary: Describes the global survival kit and explains the operational principles of the pilot ejection system. Also covers preflight checks, A–13 mask, partial pressure suit, emergency oxygen supply, and descent techniques.
Borrow from AF. Cleared for tv.

Piloting series
see
The azimuth circle and pelorus
Barometer, hygrometer, clinometer
Compensating the compass
Correcting the compass
Dividers, parallel rulers, protractors
The fathometer
Instruments used in piloting
The log
The magnetic compass
Radio direction finder
The sextant
Test
Time pieces

Piloting, surface (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.
33 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-h.
Summary: Stresses the importance of accurate piloting and discusses briefly the use of the bearing circle, compass repeater, and alidade in securing bearings.
Borrow from Navy. *Buy from* NF.

Pilotless aircraft research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
10 min., sd., color, 16 mm.
With lecture notes.
Silent version with the same title also released in 1952.
Summary: Shows through slow-motion photography launchings of research rocket models representing different fields of research connected with guided missiles at the NACA Pilotless Aircraft Research Division, Wallops Island, Va. Explains the characteristics of each model and the method of observing its performance in flight. For use by technical personnel and aeronautical students.
Borrow from NASA.

Pilotless aircraft research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
20 min., si. at sd. speed, 16 mm.
With lecture notes.
Sound version with the same title also released in 1952.
Summary: Shows through slow-motion photography launchings of research rocket models representing different fields of research connected with guided missiles at the NACA Pilotless Aircraft Research Division, Wallops Island, Va. Explains the characteristics of each model and the method of observing its performance in flight. For use by technical personnel.
Borrow from NASA.

Pinta (*Motion picture*) U. S. Dept. of the Army, 1948.
18 min., sd., color, 16 mm.
Order no. PMF 5071.
Summary: Gives the diagnosis and spirochetal etiology of pinta, a chronic disfiguring skin disease, as manifested in its various stages. Tells of arsenical and penicillin therapy yielding good results in the treatment of this disease. For medical personnel.
Borrow from Army.

The Pioneer bubble sextant, Mark 5, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
15 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-ab.
Summary: Explains how to use the Pioneer bubble sextant; and the optical and bubble horizon systems, and how to read the scale.
Borrow from Navy. *Buy from* NF.

The Pioneer bubble sextant, Mark 5. Part 2: Averaging device, adjustments, and practical use (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
15 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-ac.
Summary: Shows how to use the Pioneer bubble sextant An-5851, Mark 5 with the averaging device; and explains the practical use of the sextant for sun and star observations.
Borrow from Navy. *Buy from* NF.

Pioneers settle the last frontier
see American history I, lecture 17: Pioneers settle the last frontier

Pipe fabrication with jigs (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.
22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 7)
Order no. OE 122.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Purpose of the jig; how to lay out and assemble targets for a jig; set targets and hangers using a pipe section as a template; and fabricate pipe on the jig.
Buy from NF.

Pipe fabrication with jigs (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.
48 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 7)
Order no. OE 122-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Pipe insulation series
see Shipbuilding skills series. Pipe insulation

Pipefitting series
see Shipbuilding skills series. Pipefitting

Pipefitting series (U. S. Navy Dept.)
see Shipbuilding skills series. Pipefitting (U. S. Navy Dept.)

Pipeline in the sky (*Motion picture*) U. S. Dept. of the Air Force, 1955.
29 min., sd., color, 16 mm.
Order no. SFP 395.
Summary: Explains the origin, development, functions, and services of the USAF Logistics Service.
Borrow from AF. *Cleared for tv.*

Pipeline to tomorrow (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., b&w, 16 mm.
Order no. SFP 460.
Summary: Shows how the Air Matériel Command keeps pace with the requirements of the Air Research and Development Command, and describes the mission of each ARDC center.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Piper forceps (for the aftercoming head) (*Motion picture*) U. S. Dept. of the Army, 1963.
12 min., sd., color, 16 mm (Forceps deliveries, no. 8)
Order no. PMF 5364
Summary: Demonstrates the application and use of the Piper forceps for deliveries involving breech presentation.
Borrow from Army.

The pipette (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.
85 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Infectious hazards of bacteriological techniques, no. 3)
Order no. F 57-d.
Summary: Demonstrates the hazards involved in several common techniques of using the pipette and how these techniques can be modified to reduce the danger from bacterial aerosols.
Borrow from PHS. *Buy from* NF.

Pipettors
see Chemical techniques: Pipettors

Piping fabrication for shipboard high temperature steam systems: Bending and installing (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.
10 min., sd., b&w, 16 mm.
Order no. MN 8489-b.
Summary: Emphasizes the care and skills required in the bending and fabrication phases of working with chrome-molybdenum piping.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Piping fabrication for shipboard high temperature steam systems: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8489-a.
Summary: Emphasizes the care and skill required for the handling, fabrication, and installation of chrome-molybdenum piping in shipboard high-temperature, high-pressure steam systems.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Piping fabrication for shipboard high temperature steam systems: Welding (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8489-c.
Summary: Emphasizes the care and skills required in the welding phases of working with chrome-molybdenum piping.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Piston and liner removal (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly)
Order no. MN 3708-b.
Summary: How to remove connecting rod bearing, fork rod piston assembly, blade rod piston assembly, and opposite liners.
Borrow from Navy. *Buy from* NF.

Pistons and rods (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series. Benchwork)
Order no. MN 3691-i.
Summary: How to disassemble, clean, inspect, and reassemble pistons and connecting rods.
Borrow from Navy. *Buy from* NF.

Pitch buttoning and blocking (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
30 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 182.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Demonstrates blocking large convex lenses, blocking with pagoda tool, use of ring button, buttoning and blocking with pitch points, and pitch buttoning and blocking very small lenses.
Buy from NF.

Pitch buttoning and blocking (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
66 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 182-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Pitching and striking the sectional hospital tent (*Filmstrip*) U. S. Dept. of the Army, 1947.
91 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-105.
Summary: Demonstrates steps in the erection of a sectional hospital tent by an eight-man team.
Borrow from Army.

Placing sliding ways (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341-d.
Summary: Describes step-by-step procedure in placing sliding ways for a stern launching, and follows procedure to the completion of the sliding ways.
Borrow from Navy. *Buy from* NF.

Placing the right man on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 156.
With instructor's manual.
Summary: Dramatized cases of five different workers, unsatisfactory in particular jobs, who are reassigned to other jobs more suitable to their abilities and capacities.
Buy from NF.

Plague control (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., color, 16 mm.
Order no. MN 4049.
Summary: Explains the chief clinical types of plague, the type of environment in which plague tends to flourish, the role of the rat and rat flea, and rat control measures.
Borrow from Navy. *Buy from* NF.

Plague in sylvatic areas (*Motion picture*) U. S. Public Health Service, 1961.
26 min., sd., color, 16 mm.
Order no. M 440.
Summary: Shows the world history of plague and its introduction into the United States, particularly in the sylvatic areas of the West. Describes the importance of the control of transmission agents, including the rodent-borne fleas, and discusses methods of rapid diagnosis and treatment.
Borrow from PHS. *Buy from* NF.

Plain indexing and cutting a spur gear (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
26 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 4)
Order no. OE 15.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Elements of spur gear teeth; principles of the dividing head; how to set up a cutter for milling a spur gear; use of standard indexing plates; and how to mill gear teeth to a specified depth.
Buy from NF.

Plain indexing and cutting a spur gear (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
53 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 4)
Order no OE 15-fs
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Planers (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
56 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1-6.
Summary: Explains the nomenclature, practical uses, and operation of the planer.
Borrow from AF. *Buy from* NF.

Planetary gears, principles of operation. Part 1: Single sets (*Motion picture*) U. S. Dept. of the Army, 1953.
18 min., sd., b&w, 16 mm.
Order no. TF 9-1855.
Summary: Describes the use and operation of planetary gears, covering the basic components, the laws of mechanical operation, and the results. Illustrates through a scale model the mechanics of planetary gears.
Borrow from Army. Buy from NF. Cleared for tv.

Planetary gears, principles of operation. Part 2: Multiple sets (*Motion picture*) U. S. Dept. of the Army, 1953.
15 min., sd., b&w, 16 mm.
Order no. TF 9-1856.
Summary: Demonstrates, through the use of a scale model, the principles of operation governing multiple sets of planetary gears.
Borrow from Army. Buy from NF. Cleared for tv.

Planing a dovetail slide (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the planer, no. 2)
Order no. OE 67.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set up the workpiece, cutting tools, and machine; make rough and finish cuts in the clearance slot; and make angle cuts.
Buy from NF.

Planing a dovetail slide (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
38 fr., b&w, 35 mm. (Machine shop work series. Operations on the planer, no. 2)
Order no. OE 67–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Planing a flat surface (*Motion picture*) U. S. Office of Education, 1945. Made by Harfilms.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the planer, no. 1)
Order no. OE 66.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Function of a planer; how to mount the workpiece; set the tool and table for the cut; make a first and second roughing cut and a first and second finishing cut.
Buy from NF.

Planing a flat surface (*Filmstrip*) U. S. Office of Education, 1945. Made by Harfilms.
48 fr., b&w, 35 mm. (Machine shop work series. Operations on the planer, no. 1)
Order no. OE 66–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Planing a flat surface
see also
Cepillado de una superficie plana

Planing rough surfaces to dimensions (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on a single face surfacer, no. 1)
Order no. OE 301
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to prepare for planing; plane stock to uniform thickness; determine the amount of cut to be made; regulate the speed of feeding; and adjust the surfacer to cut straight, even, clean surfaces.
Buy from NF.

Planing rough surfaces to dimensions (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
46 fr., b&w, 35 mm. (Precision wood machining series. Operations on a single face surfacer, no. 1)
Order no. OE 301–fs.
Supplements motion picture of the same title.
With instructor's manual.
Buy from NF.

Planing rough surfaces to dimensions
see also
Rabotage de surfaces rugueuses à certaines dimensions

Planned inspection and maintenance of USAF aircraft. Part 1: introduction (*Motion picture*) U. S. Dept. of the Air Force, 1955.
18 min., sd., b&w, 16 mm.
Order no. TF 1-5084.
Summary: Explains the aircraft inspection procedures as outlined in T. O. 00-20A-10.
Borrow from AF.

Planned inspection and maintenance of USAF aircraft. Part 2: Demonstration (*Motion picture*) U. S. Dept. of the Air Force, 1955.
22 min., sd., b&w, 16 mm.
Order no. TF 1-5085.
Summary: Shows planned aircraft inspection in operation: preparations for the planning meeting, the planning meeting, in-flight check list, pre-dock inspection, dock inspection, quality control inspection, post-dock inspection, and operational test flight.
Borrow from AF.

Planning and laying out work (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 151.
With instructor's manual.
Summary: A plant supervisor talks to his son, who has built a boat in the basement too large to go through the door, about the necessity for planning a job in advance; and recounts several illustrative experiences at the plant.
Buy from NF.

Planning for good eating (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
Summary: Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.
Buy from NF. Cleared for tv.

Planning for good eating
see also
E facil comer bem
Es fácil comer bien

Planning for the patient's discharge (*Motion picture*) U. S. Veterans Administration, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the Veterans Administration program to return as many patients as possible to their homes and communities, including the bringing together of staff representatives of all services, professional and other, to determine and evaluate the discharge problems of individual patients. Shows how member groups of the VA Voluntary Service are called on to assist the patient after he leaves the hospital if his needs cannot be met by established social agencies. For VA staff training and VAVS orientation.
Borrow from VA. Buy from NF.

Planning good meals (*Filmstrip*) U. S. Public Health Service, 1950.

52 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Taking care of diabetes series, no. 4)
Order no. 5–144.
Summary: Explains how a diabetic can plan a wide variety of meals by using a meal plan and "exchange lists" of foods that can be used for variety.

Borrow from PHS. *Buy from* NF.

Planning our family life (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

59 fr., b&w, 35 mm.
Order no. 587.
With lecture notes.
Summary: Illustrates the solving of everyday family problems cooperatively through the sharing of all members in planning for the farm, the home, and the family.
Buy from PhotoLab.

Planning the home vegetable garden (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

36 fr., b&w, 35 mm.
Order no. 692.
Summary: Shows methods of organizing the planning of a complete and balanced vegetable garden from a practical as well as a nutritional standpoint.
Buy from PhotoLab.

A plant health program (*Filmstrip*) U. S. Public Health Service, 1955.

55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SPF 209.
Summary: Shows a typical occupational health program in operation in a modern printing plant.

Borrow from PHS. *Buy from* NF.

Planting isn't enough (*Motion picture*) U. S. Dept. of Agriculture, 1959.

14 min., sd., color, 16 mm.
Summary: Demonstrates the values of good management practices in the care of tree plantations.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Planting seeds indoors (*Motion picture*) U. S. Dept. of Agriculture, 1953.

5 min., sd., b&w, 16 mm.
Summary: Demonstrates the mixing of vermiculite and sphagnum moss in a seed bed indoors and the planting therein of vegetable and flower seeds.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Plants poisonous to livestock (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

43 double fr., color, 35 mm.
Order no. C–54.
With lecture notes.
Summary: Presents views of selected plants which cause livestock losses by poisoning and shows ranchers and herders how to identify them. Discusses the growing habits of the plants and the animals affected by them.
Buy from PhotoLab.

Plaster casts (*Motion picture*) U. S. War Dept., 1945.

37 min., sd., b&w, 16 mm.
Order no. TF 8–2060.
Summary: Illustrates the duties of a plaster technician; examines the plaster room and plaster technician's equipment; shows the technician assisting a surgeon in applying casts to several patients.
Borrow from Army.

Plastic and reconstruction surgery of the hand (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

34 min., sd., color, 16 mm.
Order no. MN 6128–b.
Summary: Illustrative cases showing early traumatic wounds of the hands, methods of elective surgery of the hands, and late reconstructive hand surgery. For medical personnel.

Borrow from Navy. *Buy from* NF.

Plastic repair of a cheek and lip (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., color, 16 mm.
Order no. MN 6485.
Summary: Shows how to graft a skin flap from the forehead over a disfiguring scar on the cheek; and a flap from the neck to form an upper lip. For medical personnel.

Borrow from Navy. *Buy from* NF.

Plastic surgery of the hand (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

12 min., sd., color, 16 mm.
Order no. MN 6128–a.
Summary: Illustrates techniques of plastic surgery of the hand by the application of live skin grafts. Shows cases involving amputation, tendon laceration, and bone injury. For medical personnel.

Borrow from Navy. *Buy from* NF.

Plastics series
see
Compression molding. Part 1: Preparing the charge and loading the mold
Compression molding. Part 2: Molding a simple part
Finishing molded parts
Injection molding. Part 1: Setting up the press and molding a part
Injection molding. Part 2: Cleaning and servicing the press
Machining laminated plastics
Methods of processing plastics materials
Origin and synthesis of plastics materials
Semiautomatic and hand molding of intricate parts
Transfer molding: Molding a part with inserts

The platoon (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

20 min., sd., b&w, 16 mm. (Close order drill series)
Order no. MN 201–b.
Summary: Shows how a platoon and company are formed and how a platoon executes military drills.

Borrow from Navy. *Buy from* NF.

Pliers and screw drivers (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

15 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 2)
Order no. TF 9–2027.
Summary: Demonstrates the proper use of pliers and screw drivers and safety precautions to be observed in their use.

Borrow from Army. *Buy from* NF.

Plum Island Animal Disease Laboratory (*Motion picture*) U. S. Dept. of Agriculture, 1958.

23 min., sd., color, 16 mm.
Summary: Present the Nation's first laboratory for the study of foot-and-mouth disease and the research center to determine ways of eradicating foreign contagious animal diseases. Shows safety measures, isolation safeguards, and facilities provided to conduct experiments designed to guard America's livestock.
Rent from DA film libraries. *Cleared for tv.*

Plunge cut grinding (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 4)

Order no. OE 83.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount a bushing on a mandrel; dress the side of the grinding wheel; set a dial snap gage for the production grinding of bushings; rough- and finish-grind a bushing; and the importance of rhythm in production grinding.

Buy from NF.

Plunge cut grinding (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

27 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 4)

Order no. OE 83-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Plutonium fuel fabrication, EBR–1, Mark 4 (*Motion picture*) U. S. Atomic Energy Commission, 1961.

10 min., sd., color, 16 mm.

Summary: Explains that fabrication of plutonium fuel and test pieces is complicated by consideration of criticality, pyrophoricity, and radioactive toxicity. Describes the techniques and precautions observed in manufacturing fuel for the experimental breeder reactor 1 (EBR–1, Mark 4)

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Plutonium fuel fabrication for MTR (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.

11 min., sd., color, 16 mm.

Summary: Explains that the materials testing reactor (MTR) at AEC's National Reactor Testing Station, Idaho, has been operated utilizing plutonium as the entire fissionable fuel charge. Portrays the fabrication of this charge in the plutonium metallurgy laboratories of AEC's Hanford Works, Richland, Wash.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Plutonium metal preparation (*Motion picture*) U. S. Atomic Energy Commission, 1958.

12 min., sd., b&w, 16 mm.

Summary: Shows the process and equipment designed and used at Los Alamos Scientific Laboratory in converting plutonium from a nitrate solution to elemental metal. Explains that because of serious health hazards, plutonium is processed in airtight compartments, with equipment operated entirely by remote control. Explains that the isolated plutonium is used for metallurgical and pyrometallurgical research, for fuel alloy development, and for reactor and critical assembly elements.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Point control of traffic (*Motion picture*) U. S. Dept. of the Army, 1955.

32 min., sd., b&w, 16 mm.

Order no. TF 19–2137.

Revision of the 1948 motion picture of the same title.

Summary: Explains that point control of traffic is essential for the smooth and rapid movement of troops and supplies. Salient teaching points cover: standardized hand and arm signals; controlling direction of traffic flow through one-way and four-way intersections; management of flow cycle; control of pedestrian traffic—civic and military; handling right-of-way and emergency vehicles; handling traffic jams; handling traffic at defiles; control of traffic at night.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Point of view (*Motion picture*) U. S. Office of Education, 1962. Made by University of Illinois.

40 min., sd., b&w, 16 mm.

Summary: A filmed record of the experiences of a seventh-grade English class learning the importance and principles of a point of view. Explains the implications of this approach for the teaching of English.

Buy from NF. *Cleared for tv.*

Poising balance wheels (*Motion picture*) U. S. Veterans Administration, 1949.

7 min., sd., b&w, 16 mm. (Light mechanics series, no. 11)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Shows how to use a poising tool, how to level and clean the tool, and the danger of undercutting during the poising operation.

Borrow from VA. *Buy from* NF.

Poison in the house (*Motion picture*) U. S. Dept. of the Army, 1961.

11 min., sd., color, 16 mm.

Order no. MF 8-9899.

Summary: Uses animation to illustrate the hazards of poisons carelessly left within a child's reach. Stresses the importance of properly labeling and storing various types of poisonous items that are used in the home or in the family garage, including detergents, drugs, cleaning fluids, paints, and sprays.

Borrow from Army.

Polaris, Blue and Gold (*Motion picture*) U. S. Dept. of the Navy, 1962.

10 min., sd., color, 16 mm.

Order no. MN 9756

Summary: Portrays the Blue and Gold crews of the U. S. Navy fleet ballistic missile submarines on patrol in the Atlantic Ocean. Shows life aboard a typical Polaris submarine.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Pole drainage (*Motion picture*) U. S. Public Health Service, 1946.

7 min., sd., color, 16 mm. (Malaria control series)

Order no. 4-033.

Summary: Shows how to eliminate quagmires and other marshy mosquito-breeding areas through pole drainage, and restore the land to productivity.

Borrow from PHS.

Pole line construction. Part 3: Erecting poles and attaching crossarms (*Motion picture*) U. S. Dept. of the Army, 1958.

26 min., sd., b&w, 16 mm.

Order no. TF 11–2716.

Summary: Demonstrates the methods of erecting poles and attaching various crossarm installations, including erection using a boom on an earthborer truck and using pike poles and a deadman. Explains the techniques for installing various crossarm constructions: single crossarm, double crossarm, sidearm, buck crossarm, and "H" fixture. Emphasizes the importance of selecting the most suitable type of crossarm installation to support communication circuits.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Pole line construction. Part 4: Fundamentals of guying (*Motion picture*) U. S. War Dept., 1943.

10 min., sd., b&w, 16 mm.

Order no. TF 11–1069.

Summary: Shows methods of installing side, head, pole to stub, and two- or four-way storm guys to provide extra support for poles; and the operation of a guy rule.

Borrow from Army.

A policlinica da sua cidade (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Portuguese version of Your health center.

Summary: Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.

Buy from NF. *Cleared for tv.*

Polishing (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

28 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 184.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to make concave or convex polishing shell; trim polishing shell to size and cut breathers; set up and use polishing machine; make Newton's ring check with test glass; and correct for hollow condition and high condition.

Buy from NF.

Polishing (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

64 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 184–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The political arena, 1865–1900
see American history II, lecture 1: The political arena, 1865–1900

Ponçage de surfaces planes et irrégulières (*Motion picture*) U. S. Office of Education, 1951.

19 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la ponceuse, no 1)

Order no. OE 312–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Sanding flat and irregular surfaces.

Buy from NF.

Porcelain jacket crown technique (*Motion picture*) U. S. National Bureau of Standards, in cooperation with Council on Dental Research, American Dental Association, and the University of Montevideo, Uruguay, 1955.

24 min., sd., color, 16 mm.

Summary: Describes in detail a simplified method of making fused porcelain jacket crowns. Discusses the use of a prefabricated porcelain veneer made from a stock tooth, and the use of two porcelains having widely different fusion temperatures. Explains that in this technique fusion shrinkage has been greatly reduced and the number of fusions has been cut from the customary four or five to two.

Borrow from NBS. *Buy from* NBS.

Porcelain protected surface wiring (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

19 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 9)

Order no. OE 376.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to make an electrical entrance to a building; install wiring and porcelain fittings; support and insulate wires; and prepare and connect wires for service.

Buy from NF.

Porcelain protected surface wiring (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

45 fr., b&w, 35 mm. (Electrical work series. Wiring, no. 9)

Order no. OE 376–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Pork on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1940.

21 min., sd., b&w, 16 mm.

Summary: Shows approved methods of raising hogs for home use; illustrates techniques of killing, dressing, and handling to avoid spoilage; describes methods of cutting and curing, and advantages of cold storage.

Rent from DA Film Libraries. *Buy from* NF.

Port security—explosives loading (*Motion picture*) U. S. Coast Guard, 1960.

28 min., sd., color, 16 mm.

Summary: Instructs Coast Guard Reserves in the handling and loading of dynamite aboard ship. Contains information concerning other types of explosives, and discusses areas of danger in the vicinity of explosives.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Portrait of Antarctica (*Motion picture*) U. S. Dept. of the Navy, 1961.

23 min., sd., color, 16 mm.

Order no. MN 8942

Summary: Report of the naval and scientific efforts being conducted in the Antarctic during Operation Deep Freeze. Shows the support operations, scientific surveys, and activities of the traverse and wintering-over parties on the ice-bound continent. Pictures the hazards and privations of existence in the sub-zero climate in contrast to the continent's beauty.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Portsmouth story (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

23 min., sd., b&w, 16 mm.

Summary: Describes the construction of the Commission's gaseous diffusion plant at Portsmouth, Ohio.

Borrow from AEC. *Cleared for tv.*

Portugal (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

14 min., sd., b&w, 16 mm.

Order no. AFIF 29.

Summary: Explains the industrial, social, and political problems of Portugal and points out its importance in the North Atlantic Treaty Organization. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Cleared for tv.*

A positive approach to the psychiatric patient (*Motion picture*) U. S. Veterans Administration, 1955. Made by U. S. Dept. of Agriculture.

30 min., sd., b&w, 16 mm.

Summary: Shows the treatment in Veterans Administration hospitals for psychiatric patients who have emerged from acute episodes of mental illness but who are not yet well enough to leave the hospital. Uses a hospital ward unit as the focal setting, and stresses the roles of the nurse, aide, and physician.

Borrow from VA. *Buy from* NF.

Post-war Germany (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

18 min., sd., b&w, 16 mm.

Order no. AFIF 104.

Summary: A study of West and East Germany after World War II, giving attention to the political climate, economic growth, military potential, and the problems of a land divided.

Borrow from Army.

Posterior sympathetic denervation of the upper extremity (*Motion picture*) U. S. Veterans Administration, 1956.

25 min., sd., color, 16 mm.

Summary: A surgical approach to the problem of vasospastic disease is illustrated by anatomical drawings, and by clinical and surgical sequences showing a patient with Raynaud's phenomenon.

Borrow from VA.

Posters teach nutrition around the world (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

52 double fr., color, 35 mm.

Order no. C–45.

With lecture notes.

Summary: Illustrates, by use of posters from various countries, how governments are trying to help individuals and families improve their food practices.

Buy from PhotoLab.

Postoperative care (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

13 min., sd., b&w, 16 mm. (Basic nursing care series)

Order no. MN 8576–g.

Summary: Describes the duties and responsibilities of hospital corpsmen in caring for a patient immediately after surgery. Depicts in detail the preparation of the bedside area; inspection of operative site for bleeding; observation and recording of temperature, pulse, respiration, and blood pressure; assisting the respiration of the patient, if necessary, including the technic of removal of an artificial airway; administration of medications for pain; assisting the patient to move in bed; assisting the patient to void; observation of patient for signs of any complication following the surgery; and general encouragement toward recovery.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Potatoes are appealing (*Motion picture*) U. S. Dept. of Agriculture, 1952.
5 min., sd., color or b & w, 16 mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of potatoes. Produced especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Potomac River Naval Command (*Motion picture*) U. S. Dept. of the Navy, 1957.
20 min., sd., b&w, 16 mm.
Order no. MN 8225.
Summary: Pictures and explains the naval activities under the purview of the commandant, Potomac River Naval Command.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Pots and pans for your kitchen (*Filmstrip*) U. S. Dept. of Agriculture, 1951.
43 fr., b&w, 35 mm.
Order no. 696.
With lecture notes.
Summary: Explains principles to be followed in selecting utensils for a kitchen.
Buy from PhotoLab.

Poultry hygiene: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1956.
83 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 199–c.
Summary: Shows the step-by-step details of the complete cycle of poultry processing, and stresses the sanitary aspects in each operation (killing, de-feathering, eviscerating, packaging, and storing or delivering to the consumer) as an illustration of the application of the 1955 USPHS Poultry ordinance and code to the operational procedures in a typical poultry processing plant.
Borrow from PHS. *Buy from* NF.

Poultry hygiene: Plant layout and construction (*Filmstrip*) U. S. Public Health Service, 1956.
72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 199–a.
Summary: Shows five main divisions of a medium-sized poultry processing plant (receiving and holding, dressing, evisceration, packaging, and refrigeration) and pertinent construction details relating to sanitation in each division, as an illustration of the application of the 1955 USPHS Poultry ordinance and code to the construction of a poultry processing plant.
Borrow from PHS. *Buy from* NF.

Poultry hygiene: Refrigeration (*Filmstrip*) U. S. Public Health Service, 1956.
39 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. F 199–d.
Summary: Explains the refrigeration temperatures and procedures during processing, storage, and transport of poultry, by following a bird through the plant to a retail store.
Borrow from PHS. *Buy from* NF.

Poultry hygiene: Waste disposal, clean-up, and basic sanitation (*Filmstrip*) U. S. Public Health Service, 1956.
72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 199–e.
Summary: Describes the essentials of waste collection and disposal, the time and procedures for clean-up of processing rooms and equipment, and basic sanitation in a poultry processing plant.
Borrow from PHS. *Buy from* NF.

Poultry processing inspection (*Motion picture*) U. S. Dept. of the Air Force, 1956.
18 min., sd., color, 16 mm.
Order no. TF 1–8151.
Summary: Outlines poultry processing inspection procedures required by the U. S. Dept. of Agriculture, U. S. Public Health Service, and Medical Services of the Army and the Air Force. Explains the duties of Air Force veterinary officers in checking cleanliness of plant and personnel, unloading and handling of birds, animal maladies, slaughtering procedures, defeathering, dressing, removal of pinfeathers, singeing, evisceration and processing of edible parts, cutting up, packing and freezing.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Powder metallurgy. Part 1: Principles and uses (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
19 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 346.
With instructor's manual.
Summary: Principles of powder metallurgy — powder, pressure, heat; major industrial applications of powder metallurgy; laboratory process of combining silver and nickle powders.
Buy from NF.

Powder metallurgy. Part 2: Manufacture of porous bronze bearings (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
15 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 347.
With instructor's manual.
Summary: Manufacturing process by which metal powders are fabricated into porous bronze bearings and impregnated with oil.
Buy from NF.

Power and promise (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Mode-Art Pictures.
29 min., sd., color, 16 mm.
Summary: Tells the story of the atomic power reactor at Shippingport, Pa.
Borrow from AEC.

Power and the land (*Motion picture*) U. S. Dept. of Agriculture, 1951.
40 min., sd., b&w, 16 mm.
Revision of the 1940 film of the same title.
Summary: Portrays a farm family in Pennsylvania before and after electrification of their farm; contrasts farm duties and tasks performed without electricity, then with electricity; illustrates the method of forming an electrical cooperative of farmers. Includes bringing the facts about rural electrification up to date (1951)
Rent from DA Film Libraries. *Buy from* NF.

Power bending conduit (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
17 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 13])
Order no. OE 382.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to assemble and operate a floor bender and a portable bender; make a 45 degree bend in a 3-inch conduit; make an offset in 1½-inch conduit; and make an offset in conduit already installed.
Buy from NF.

Power bending conduit (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
25 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 13])
Order no. OE 382–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Power for flight (*Filmstrip*) U. S. Civil Air Patrol, 1957.
54 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 13 min. microgroove.
Based on Civil Air Patrol instructor's guide Power for aircraft.
Summary: Discusses various power sources used in aircraft and explains the principles of the reciprocating- and turbine-type airplane engines.
Buy from CAP.

Power for peace (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.
20 min., sd., b&w, 16 mm.
Order no. MN 6846.
Summary: Presents the experiences of a typical business man attending a Joint Civilian Orientation Conference held by the Dept. of Defense in Washington, D. C. Depicts his observations and reactions to the field demonstrations, the training procedures, and the new weapons displayed.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The power of Chief Joseph (*Motion picture*) U. S. Army Engineers, 1956.
29 min., sd., color, 16 mm.
Summary: Describes the construction and operation of the long powerhouse at Chief Joseph Dam project on the Columbia River in north central Washington.
Borrow from Eng. *Cleared for tv.*

Power plant controls (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
38 fr., b&w, 35 mm.
Order no. SN 2784.
Summary: Explains the characteristics of the two principal types of power plant control systems and the advantages and uses of each type. Indicates how to adjust the operation of these controls.
Borrow from Navy.

Power plant maintenance series
see Aircraft work series. Power plant maintenance

Power reactors—USA (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Lytle Corp.
55 min., sd., color, 16 mm.
Summary: Reviews the U. S. power reactor program, using live action and animation photography. Shows major developments in the technology of the pressurized-water, boiling-water, homogeneous, organic-moderated, sodium-graphite, and fast-breeder concepts.
Borrow from AEC. *Buy from* LMAFS. *Cleared for tv.*

Powerhead (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
5 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 4)
Order no. MN 2508-d.
Summary: Shows adjustment of the speeder spring and construction and operation of the powerhead. Demonstrates the speed-setting control of the governor.
Borrow from Navy. *Buy from* NF.

Powering America's progress: A modern story of bituminous coal (*Motion picture*) U. S. Bureau of Mines in cooperation with Bituminous Coal Institute, 1952.
25 min., sd., color, 16 mm.
Order no. 244.
Summary: Depicts modern methods, including safety measures, of mining and preparing bituminous coal for market, and some of its many uses.
Borrow from BM. *Cleared for tv.*

Powers, roots, and radicals
see Beginning algebra II, lecture 12 [-14]: Powers, roots, and radicals

Practical English usage I, lecture 1: The tools of language (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the parts of speech—nouns, pronouns, verbs, adjectives, adverbs, conjunctions, prepositions, and interjections—and describes the use of words as different parts of speech.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 2: Putting words to work; end punctuation (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the sentence and its purposes, and the various parts of a sentence—subject, predicate, and complement. Explains the use of end punctuation.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 3: Words as a team; phrases (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses prepositional, participial, gerund, and infinitive phrases, and explains their uses in the sentence.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 4: Words as a team; clauses (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the use of the independent or main clause, co-ordinate conjunctions, subordinating conjunctions, relative pronouns, and of the subordinate clause used as an adjective, an adverb, and a noun.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 5: More about sentences; punctuation; sentence sense (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Classifies sentences according to structure; explains the run-on sentence and the comma fault (sentence fragment), and reviews punctuation of restrictive and nonrestrictive clauses.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 6: More about pronouns (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains standard usage of pronouns, describes personal pronouns and their case forms, discusses the use of "who" and "whom" as interrogative pronouns, and demonstrates the use of pronouns in incomplete constructions and in the appositive.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 7: More about verbs (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the principal parts of the verb, discusses regular and irregular verbs, and gives examples of six special irregular verbs.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 8: Still more about verbs (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains how to use the six tenses of verbs; describes active and passive verbs, no-voice verbs, and the three moods of verbs.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 9: More about modifiers (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains the uses of adjectives and adverbs; compares adjectives and adverbs; and shows how to use modifying words with linking verbs.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 10: Writing clear sentences; making words agree (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Explains agreement of subject and verb, of pronoun and antecedent, and explains the need for agreement in special cases.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 11: Writing clear sentences; antecedents and modifiers (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary: Discusses the use of clear pronoun antecedents, close modification of phrases and clauses, and avoidance of dangling modifiers.
Buy from NF. *Cleared for tv.*

Practical English usage I, lecture 12: Writing clear sentences; co-ordination and subordination (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

Summary: Discusses the use of co-ordinate and subordinate ideas in writing clear sentences, and describes faulty co-ordination.

Buy from NF. Cleared for tv.

Practical English usage I, lecture 13: Dressing up sentences; parallelism; avoidance of shifts (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

Summary: Explains the use of parallel ideas in parallel form, coordinated ideas and correlative constructions, and incomplete parallelism in sentences; discusses avoidance of shifts in subject and verb and the use of the passive voice of verbs.

Buy from NF. Cleared for tv.

Practical English usage I, lecture 14: Dressing up sentences; word economy (word reduction) (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

Summary: Discusses the elimination of superfluous words and repetition in sentences, the use of double negatives, the reduction of clauses to phrases and phrases to words, and the use of suitable words.

Buy from NF. Cleared for tv.

Practical English usage I, lecture 15: Dressing up sentences; variation (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

Summary: Explains how to vary a sentence by beginning with a transposed appositive, a modifier, or a phrase; discusses the use of subordination, complex sentences, and variation in sentence length.

Buy from NF. Cleared for tv.

Practical English usage I, lecture 16: Dressing up sentences; vocabulary (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

Summary: Explains how to avoid trite expressions and mixed figures of speech in a sentence and discusses the use of idiomatic and appropriate words.

Buy from NF. Cleared for tv.

Practical procedures of measurement (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

48 min., sd., b&w, 16 mm. (The radioisotope series, no. 3)

Order no. PMF 5145-e.

Summary: Explains the purposes of measurement for safety and for experimental purposes. Discusses the operational principles of the electroscope, ionization chamber, proportional counter, and particularly the Geiger-Müller counter. Explains the concepts of threshold value and plateau. Discusses briefly the mechanical recorder, scaler, and interpolation lights, and gives a simple exposition of counting statistics and the standard deviation.

Borrow from Army. Buy from NF. Cleared for tv.

Practical rat control series
see
Area poisoning
Rat killing
Ratproofing
Sanitation techniques in rat control

The practice of radiological safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

33 min., sd., b&w, 16 mm. (The radioisotope series, no. 6)

Order no. PMF 5145-f.

Summary: Shows how shipments of radioactive materials are handled, doses for therapy prepared, and synthetic compounds manufactured; pictures the protective clothing and the metering equipment worn by personnel handling radioactive materials; emphasizes safety precautions.

Borrow from Army. Buy from NF.

Prairie schooner, space age model (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

27 min., sd., b&w, 16 mm. (The home nursing story, no. 2)

Based on the American Red Cross course for the care of the sick and injured.

With workbook.

Summary: Discusses the prevention of disease, explaining how the home nurse helps to prevent the spread of disease. Shows how to make a bed and how to groom the bed patient.

Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.

Buy from Red Cross. Cleared for tv.

Precision gage blocks (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

18 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 6)

Order no. OE 49.

With instructor's manual. Supplementary filmstrip of the same title also available.

Summary: Shows various uses of gage blocks in setting inspection gages; how to calculate gage blocks, and clean and assemble the blocks.

Buy from NF.

Precision gage blocks (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

28 fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 6)

Order no. OE 49-fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Precision measurement series
see Machine shop work series. Precision measurement

Precision wood machining series. Fundamentals of patternmaking
see
Making a core box for a flanged pipe elbow
Making a core box for a tail print
Making a core box for a vertical core
Making a matchboard pattern
Making a one-piece flat pattern
Making a pattern for a flanged pipe elbow
Making a pattern for a three-part mold
Making a pattern with a horizontal core
Making a pattern with a tail print
Making a pattern with a vertical core
Making a segmented pattern

Precision wood machining series. Operations on a single face surfacer
see
Planing rough surfaces to dimensions

Precision wood machining series. Operations on the band saw
see
Sawing a reverse curve and a bevel reverse curve
Sawing with jig and changing band

Precision wood machining series. Operations on the jointer
see
Beveling, stop chamfering, and tapering square stock
Face planing uneven surfaces
Jointing an edge for gluing: Installing knives
Jointing edges and ends 90 degrees to face

Precision wood machining series. Operations on the sander
see
Sanding flat and irregular surfaces

Precision wood machining series. Operations on the spindle shaper
see
Cutting grooves with circular saw blades
Rabbeting and shaping en edge on straight stock
Shaping after template and shaping curved edges

Precision wood machining series. Operations on the variety saw
see
Beveling, mitering, rabbeting, and dadoing
Cutting cove molding and a corebox
Cutting tenons and segments
Ripping and cross-cutting

Precision wood machining series. Operations on the wood lathe
see
Face turning a collar
Turning a cylinder between centers
Turning taper work
Turning work in a chuck
Turning work on a face plate

Precision wood machining series. Problems in patternmaking
see
Designing a pattern for a water-cooled motor block
Designing core boxes for a water-cooled motor block
Making a core box for a machine base
Making a pattern for a machine molded steel globe and angle valve
Making a pattern requiring box construction
Making a pattern requiring cover core
Making a pattern requiring segmental construction
Making a pattern using a green and a dry sand core
Making pattern, core boxes, and assembling cores for a water-cooled motor block
Redesigning a pattern for production purposes

Preface to a life (*Motion picture*) U. S. Public Health Service in cooperation with U. S. Office of Education, 1950. Made by Sun Dial Films.
29 min., sd., b&w, 16 mm.
With discussion guide.
Summary: Parental influence on a child's developing personality, illustrated by a series of episodes showing the effects of an overly solicitous mother and an overly demanding father; and, in contrast, the healthy childhood resulting when both parents accept their child as an individual.
Borrow from PHS. Buy from NF. Cleared for tv. Prior authorization required.

Preflight inspection: Airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 280.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Necessity for careful and thorough inspection; how to use the "circle method" to inspect landing gear, wings, fuselage, tail surfaces, cabins, controls, and instruments.
Buy from NF.

Preflight inspection: Airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
48 fr., b&w, 35 mm. Aircraft work series. Preventive maintenance)
Order no. OE 280-fs.
Supplements motion picture of same title.
With instructor's manual.
Buy from NF.

Preflight inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
13 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 281.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check the general condition of an aircraft engine; inspect the fuel system, ignition system, and engine fittings and attachments; conduct an engine run-up; and complete the inspection procedure.
Buy from NF.

Preflight inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
47 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 281-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Preliminary investigation of fretting (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
11 min., sd., color, 16 mm.
Order no. TF 23.
Summary: Pictures taken in fretting corrosion research conducted by the NACA to determine the fundamental causes of fretting. A record film for technical personnel, to be used with NACA Report 1009: Investigation of fretting by microscopic observation.
Borrow from NASA.

Prelude to IGY (*Motion picture*) U. S. Dept. of the Army, 1960.
11 min., sd., color, 16 mm.
Order no. MF 45-9507.
Summary: Depicts the experimental tests conducted with upper air research rockets in 1956 to determine whether rocketry equipment, facilities, and personnel were ready for the IGY (International Geophysical Year) Test firings of the Aerobee rocket, Nike-Cajun rocket and Rockoons, were made at White Sands Proving Ground, New Mexico, at sea during Operation Santiago High in the Pacific, and in a sub-arctic area in the environs of Fort Churchill, Canada.
Borrow from Army. Cleared for tv.

Preoperative care (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.
16 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576-f.
Summary: Presents the duties and responsibilities of hospital corpsmen in preparing a patient for surgery in the 16- to 24-hour period immediately preceding the operation. Demonstrates the specific procedure of checking for completion of laboratory work; supervision of patient's meal; intake of water and other liquids orally; administration of the cleansing enema; preparation of the skin at the operative site; administration of hypnotic the evening before surgery; provision of routine morning care on day of surgery; and procedures to be accomplished immediately before patient is taken to surgery.
Borrow from Navy. Buy from NF. Cleared for tv.

The preparation and insertion of tantalum plate (*Motion picture*) U. S. War Dept., 1946.

30 min., sd., color, 16 mm.

Order no. PMF 5030.

Summary: Demonstrates the preparation for and the insertion of a tantalum plate in the skull. For medical personnel.

Borrow from Army.

Preparation and use of human plasma (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1948.

34 min., sd., color, 16 mm.

Order no. MN 3543.

Summary: How whole blood is prepared and sent to the processing plant where the plasma and red corpuscles are separated, pooled, and packed for shipment to combat areas. Shows a hospital corpsman administering blood plasma to a wounded marine.

Borrow from Navy. *Buy from* NF.

Préparation d'un cubilot pour le chargement (*Motion picture*) U. S. Office of Education, 1954.

21 min., sd., b&w, 16 mm. (Technique de fonderie. Fusion des métaux)

Order no. OE 436-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Preparing a cupola for charging.

Buy from NF.

Preparation for docking with keel and bilge blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Shipbuilding skills series)

Order no. MN 2352-a.

Summary: Examines the graving dock and demonstrates the placement of keel and bilge blocks according to the docking plan. Points out the careful planning and double-check of calculations by docking officer and dockmaster to insure safe placement of the ship.

Borrow from Navy. *Buy from* NF.

Preparation for stern launching, DD445 class (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

25 min., sd., b&w, 16 mm. (Shipbuilding skills series)

Order no. MN 2351-a.

Summary: Cover the operations necessary to prepare a ship for launching, including constructing ground ways, fitting sliding ways, installing internal shoring, dog shores, and trigger, and rigging the anchor.

Borrow from Navy. *Buy from* NF.

Preparation for stern launching series
see Shipbuilding skills series. Preparation for stern launching

Preparation of a culture medium (*Motion picture*) U. S. Public Health Service, 1949.

14 min., sd., b&w, 16 mm. (Laboratory diagnosis of tuberculosis, no. 1)

Order no. 4-089.1.

With utilization guide.

Filmstrip with same title also available.

Summary: Demonstrates the necessity for bacteriologic diagnosis of tuberculosis; advantages of the modified Lowenstein medium; ingredients, preparation, tubing, inspissating, testing, and storing of the medium; and characteristic appearance of colonies on the medium.

Borrow from PHS. *Buy from* NF.

Preparation of a culture medium (*Filmstrip*) U. S. Public Health Service, 1949.

58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 5 min. (Laboratory diagnosis of tuberculosis, no. 1)

Order no. 5-123.1.

With utilization guide.

Motion picture with same title also available.

Borrow from PHS.

The preparation of dehydrated foods (*Motion picture*) U. S. Dept. of the Army, 1953.

27 min., sd., color, 16 mm.

Order no. TF 10-1870.

Summary: Shows the methods used in U. S. Army kitchens in the preparation of dehydrated food products.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The preparation of hematoxylin stained smears for diagnosis of intestinal protozoa (*Filmstrip*) U. S. Public Health Service, 1950.

69 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.

Order no. 5-155.

Summary: Explains in detail the steps in preparing hematoxylin stained smears necessary to the diagnosis of intestinal protozoa.

Borrow from PHS. *Buy from* NF.

Preparation of sputum specimens (*Motion picture*) U. S. Public Health Service, 1949.

16 min., sd., b&w, 16 mm. (Laboratory diagnosis of tuberculosis, no. 2)

Order no. 4-089.2.

With utilization guide.

Filmstrip with same title also available.

Summary: Shows the technique of sputum preparation used in laboratory diagnosis of tuberculosis to simplify diagnosis methods and to supplement mass X-ray programs.

Borrow from PHS. *Buy from* NF.

Preparation of sputum specimens (*Filmstrip*) U. S. Public Health Service, 1949.

67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Laboratory diagnosis of tuberculosis, no. 2)

Order no. 5-123.2.

With utilization guide.

Motion picture with same title also available.

Borrow from PHS.

Preparation of teachers (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Summary: Shows the preparation of teachers in the United States as illustrated through the activities at Ball State Teachers College, Muncie, Ind. Prepared for overseas use.

Buy from NF.

The preparation of topographic manuscripts for reproduction (*Motion picture*) U. S. Geological Survey, 1952.

30 min., sd., color, 16 mm.

Summary: Describes the preparation of final copy for reproduction of topographic maps by smooth drafting procedures.

Borrow from GS.

Prepare thru education (*Motion picture*) U. S. Dept. of the Army, 1955.

16 min., sd., b&w, 16 mm.

Order no. MF 20-8421.

Summary: Explains that a high school education is necessary for future careers, and the specialist training and career opportunities available to such graduates in the U. S. Army. Recruiting film for high school students.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Preparedness and national security (*Motion picture*) U. S. Dept. of Defense, 1951.

22 min., sd., b&w, 16 mm.

Order no. AFIF 12.

Summary: Explains steps taken by the United States after World War II to ensure future preparedness in the event of an attack by any would-be aggressor; describes the creation of the Central Intelligence Agency, the Research and Development Board, and the National Security Resources Board.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Preparing a cupola for charging (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
21 min., sd., b&w, 16 mm. (Foundry work series. Melting practice)
Order no. OE 436.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to recognize the end of a heat; procedures for dropping bottom and for preparing a cupola for its next heat.
Buy from NF.

Preparing a cupola for charging (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
48 fr., b&w, 35 mm. (Foundry work series. Melting practice)
Order no. OE 436–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Preparing a cupola for charging
see also
Préparation d'un cubilot pour le chargement

Preparing a school lunch (*Filmstrip*) U. S. Dept. of Agriculture, 1954.
28 double fr., color, 35 mm.
Order no. C–35.
With lecture notes.
Summary: Explains the good management practices used by a school-lunch manager and her assistants in preparing school lunches for 150 children. Prepared especially for use by school-lunch personnel.
Buy from PhotoLab.

Preparing and setting a keelblock and bottom cradle (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 1)
Order no. OE 24.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Use of base line, vertical centerline, buttock lines, waterlines, and frame lines in checking dimensions during ship construction; how to lay a keelblock; use templates to make spauls; and erect a ship cradle.
Buy from NF.

Preparing and setting a keelblock and bottom cradle (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
45 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 1)
Order no. OE 24–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Preparing old buildings for wiring (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
21 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 7))
Order no. OE 378.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to plan the wiring paths, visualizing the obstructions, and then prepare the paths for the wiring runs.
Buy from NF.

Preparing old buildings for wiring (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
50 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 7))
Order no. OE 378–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Preparing the plane for flight (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.
24 min., sd., b&w, 16 mm. (Fundamentals of patrol plane handling series)
Order no. MN 1338–b.
Summary: Demonstrates the procedures for preparing a plane for flight, the duties of crew members, and such activities as loading ammunition and supplies and starting and testing the engine.
Borrow from Navy. *Buy from* NF.

Prerequisites for forceps deliveries (*Motion picture*) U. S. Dept. of the Army, 1963.
18 min., sd., color, 16 mm. (Forceps deliveries, no. 1)
Order no. PMF 5357
Summary: Outlines advantages and limitations of forceps deliveries and explains essential prerequisites in the use of forceps: engagement of baby's head, full dilation of cervix, position and presentation of baby's head, type of pelvis, and knowledge of all types of forceps.
Borrow from Army.

Presacral pneumonography (*Motion picture*) U. S. Dept. of the Army, 1954.
10 min., sd., color, 16 mm.
Order no. PMF 5289.
Summary: Demonstrates the phases of a technique which permits visualization, by means of X-ray, of the retroperitoneal space, particularly the adrenal and kidney glands. For medical personnel.
Borrow from Army. *Buy from* NF.

Prescribed burning in the South (*Motion picture*) U. S. Dept. of Agriculture, 1959.
24 min., sd., color, 16 mm.
Summary: Describes the objectives, planning, execution, and benefits of prescribed burning in southern pine coastal plain forests. Explains the benefits of prescribed burning, including control of undergrowth, reduction of fire hazards, improvement of wildlife habitat, and control of brown spot in young longleaf pine. A training film designed to inform foresters and fire suppression crews.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Prescription for work (*Motion picture*) U. S. Veterans Administration, 1949.
10 min., sd., b&w, 16 mm.
Supplemented by a series of 15 films released in 1949 with the title, Light mechanics series.
Summary: Explains the light mechanics procedure by means of which the work capacities of patients with physical disabilities are determined, and illustrates the procedure in the case of a patient with pulmonary tuberculosis who is re-trained to a job within the limits of his endurance.
Borrow from VA. *Buy from* NF.

Prescription for work
see also
Burnishing pivots
The eye loop holder
Making a center punch
Making a cone point set screw
Making a fiddle bow
Making an anchor bolt
Making three steel staffs
Poising balance wheels
Removing and replacing balance wheel screws
Screws and plates
Sharpening hand gravers
Sharpening jewelers' screwdrivers and tweezers
Truing balance wheels
Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off
Turning brass with hand gravers. Part 2: Turning straight and square shoulders

Prescription O. T. (*Motion picture*) U. S. Veterans Administration, 1959.

22 min., sd., b&w, 16 mm.

Summary: Orients resident physicians to occupational therapy, giving the prescription and explaining how occupational therapy carries out the prescription.

Borrow from VA. *Buy from* NF.

Preservation of bacteria by desiccation in vacuo (*Motion picture*) U. S. Public Health Service, 1949.

11 min., sd., b&w, 16 mm.

Order no. 4–102.

With film guide.

Summary: Demonstrates the technique for desiccation in vacuo as a method of preservation for most bacteria.

Borrow from PHS. *Buy from* NF.

Preserve the original strength: Aircraft (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

57 fr., b&w, 35 mm.

Order no. SN 294.

Summary: Explains tension, compression, shear, bending, torsion, monocoque and semi-monocoque fuselages, and "stressed" skin type of wing structure.

Borrow from Navy. *Buy from* NF.

President Eisenhower's visit to South America (*Motion picture*) U. S. Information Agency, 1960. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.

31 min., sd., color, 16 mm.

Summary: Shows the February-March, 1960, visit of President Eisenhower to Brazil, Argentina, Chile, and Uruguay, including his stop-over in Puerto Rico. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

President Kennedy's state of the Union message (*Motion picture*) U. S. Information Agency, 1961. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1961.

25 min., sd., b&w, 16 mm.

Summary: A verbatim record of President Kennedy's state of the Union message delivered on January 30, 1961.

Buy from NF. *Cleared for tv. Prior authorization required.*

The President plants a tree (*Motion picture*) U. S. Dept. of Agriculture, 1959.

7 min., sd., color, 16 mm.

Summary: Describes and pictures the trees planted by Presidents on the White House lawn, including views of President Eisenhower planting the tree of his choice.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Presidential conventions (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 7)

Summary: Reviews the 1952 presidential conventions, held at the International Amphitheater in Chicago, and answers questions on how a person is selected, nominated, and elected. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Presidential hit parade (*Motion picture*) U. S. Marine Corps, 1955. Made by U. S. Dept. of the Navy.

27 min., sd., color, 16 mm.

Order no. MH 8080.

Summary: The Marine Band plays favorite musical selections of some U. S. Presidents, and the leader of the band, Lt. Col. W. F. Santelmann, relates stories about their popularity.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Pressure gages (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

52 fr., b&w, 35 mm.

Order no. FS 1–52.

Summary: Explains the uses of pressure gages on aircraft; and the principles and operation of the Bourdon, diaphragm, and aneroid mechanisms.

Borrow from AF. *Buy from* NF.

Pressure sealing (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

69 fr., b&w, 35 mm.

Order no. SCG 119, formerly SG 1776.

Summary: Explains the purpose of pressure sealing; and describes kinds of steam, air, ammonia, and oil packings.

Buy from NF.

Prevent dysentery (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

7 min., sd., color, 16 mm.

Summary: Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.

Buy from NF. *Cleared for tv.*

Prevent dysentery
see also
Disenteria

Prevent farm fires (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Purdue University, 1944.

38 fr., b&w, 35 mm.

Order no. 642.

With lecture notes.

Summary: How to eliminate fire hazards on the farm by fireproof construction, approved wiring, and careful handling and storing of combustible materials.

Buy from PhotoLab.

Preventing wind erosion on the Great Plains: Economic problems (*Motion picture*) U. S. Dept. of Agriculture, 1958.

8 min., sd., color, 16 mm.

Summary: Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains how to set up a time schedule for making land-use changes and installing conservation practices.

Rent from DA film libraries. *Cleared for tv.*

Preventing wind erosion on the Great Plains: Planting grasses (*Motion picture*) U. S. Dept. of Agriculture, 1958.

7 min., sd., color, 16 mm.

Summary: Shows how methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains that good land preparation, proper seeding methods, and adaptability to soil and climate are necessary for desirable grasses.

Rent from DA film libraries. *Cleared for tv.*

Preventing wind erosion on the Great Plains: Range grazing practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.

7 min., sd., color, 16 mm.

Summary: Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Presents a grassland management plan to improve and maintain the range for the greatest possible long-term returns from grass.

Rent from DA film libraries. *Cleared for tv.*

Preventing wind erosion on the Great Plains: Stubble mulch farming (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., color, 16 mm.
Summary: Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Describes stubble mulch farming—a year-round system used in the Great Plains for protecting cultivated land against harm by high winds and water.
Rent from DA film libraries. *Cleared for tv.*

Preventing wind erosion on the Great Plains: Tillage practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., color, 16 mm.
Summary: Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains that the best tillage enables the most profitable crop production with the least damage to soil structure and cover.
Rent from DA film libraries. *Cleared for tv.*

Preventing wind erosion on the Great Plains: Tree windbreaks (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., color, 16 mm.
Summary: Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains that each windbreak should be planned carefully and correctly in relation to prevailing winds and what it must protect in order to stabilize the soil and protect growing crops and livestock.
Rent from DA film libraries. *Cleared for tv.*

Prevention and control of staphylococcal infections (*Motion picture*) U. S. Public Health Service, 1958.
18 min., sd., b&w, 16 mm.
Order no. M 356.
Summary: Presents an analysis of staphylococcal infections in hospitals, and emphasizes techniques and improved housekeeping procedures to follow in the control of these infections.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Prevention of cold injuries (*Motion picture*) U. S. Dept. of the Army, 1958.
20 min., sd., b&w, 16 mm.
Order no. TF 8–2524.
Summary: Defines the nature and symptoms of cold injuries in combat—frostbite of the feet, face and hands, and trench foot—and teaches how to prevent them. Demonstrates under field conditions the basic rules for prevention of cold injury and emphasizes that it is up to the individual soldier to protect himself against the cold.
Borrow from Army.

Prevention of heat casualties (*Motion picture*) U. S. Navy Dept., 1959. Made by Gilbert Altschul Productions.
25 min., sd., color, 16 mm.
Order no. MN 8965.
Summary: Introduces the problem of heat stress and the principal types of heat illness that may occur when men are subjected to heavy work output in conditions of severe climatic heat. Presents the primary and secondary factors that may cause heat illness. Shows general measures that may be adopted to prevent occurrence of heat casualties. Explains the Wet Bulb-Globe Thermometer index that combines the four physical variables of the thermal environment into a single value. Depicts the specific actions to be taken, especially by noncommissioned officers, when heat conditions, as determined by the WBGT index, require curtailment or suspension of physical activities in order to prevent the occurrence of heat illness.
Borrow from Navy.

Prevention of pilferage. Part 1: Depots and warehouses (*Motion picture*) U. S. Dept. of the Army, 1952.
20 min., sd., b&w, 16 mm.
Order no. TF 19–1610.
Summary: Describes casual and systematic pilferage, measures to prevent stealing, principles for an effective program, and the proper prevention and apprehension procedures to be used.
Borrow from Army.

Prevention of pilferage. Part 2: On ships and wharves (*Motion picture*) U. S. Dept. of the Army, 1951.
31 min., sd., b&w, 16 mm.
Order no. TF 19–1661.
Summary: Illustrates precautionary measures to be applied against various methods of pilfering on ships and wharves.
Borrow from Army.

Preventive dentistry: A base dental program (*Motion picture*) U. S. Dept. of the Air Force, 1956.
23 min., sd., color, 16 mm.
Order no. TF 1–8162a.
Summary: A general discussion of preventive dentistry directed to dentists and dental technicians. Shows how one Air Force base implemented a successful dental program.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Preventive dentistry: Oral hygiene (*Motion picture*) U. S. Dept. of the Air Force, 1956.
17 min., sd., color, 16 mm.
Order no. TF 1–8162b.
Summary: Shows what the dental clinic can do for the airman through prophylaxis, restoration, and care of the periodontal membrane; and what the airman can do for himself to prevent tooth decay by learning how and when to brush his teeth.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Preventive maintenance of signal equipment for commanders (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
15 min., sd., b&w, 16 mm.
Order no. MF 11–7915.
Summary: Explains the procedures to be followed in the maintenance of ground signal equipment when in storage at army depots.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Preventive maintenance series
see
Aircraft work series. Preventive maintenance
Automotive operation and maintenance series.
Preventive maintenance

Preventive medicine: A USAF team in action (*Motion picture*) U. S. Dept. of the Air Force, 1956.
18 min., sd., color, 16 mm.
Order no. TF 1–8163.
Summary: Explains the field of preventive medicine including mental hygiene, epidemics, water supply, food inspection, nutrition, and the control and prevention of communicable diseases. Gives an example of an Air Force team of preventive medicine officers analyzing, step by step, the cases of two officers who became very ill during a flight from Africa.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

The price of liberty (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
11 min., sd., b&w, 16 mm.
Order no. AFIF 63.
Summary: Reviews the role of American women in the preservation of liberty from the Revolutionary period through World War II, to the present day. Portrays women serving as members of the Women's Army Corps, as nurses, and in other jobs of importance to the national security.
Borrow from Army. *Cleared for tv.*

Price of Rendova (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
Order no. MF 40–926.
Summary: Review of combat operations in the capture of Rendova: establishment of beachhead, invasion of jungle, counterattack by Japanese dive bombers, and record of men and materiel destroyed.
Borrow from Army. *Buy from* NF.

Pride of outfit series
see
The 82d Airborne Division
The 83rd Infantry Division in Europe
The fighting First
Hell for leather
Operation thunderbolt
The red bull attacks: 34th Infantry Division
Seventh Infantry Division
Sixth Infantry Division

Primary helicopters flight training. Part 2: Primary flight maneuvers (*Motion picture*) U. S. Dept. of the Army, 1957.

22 min., sd., b&w, 16 mm.
Order no. TF 46-2382.
Summary: Demonstrates the procedures for executing primary flight maneuvers using the H-13 helicopter, including taxiing, take-off to hover, hovering flight, hovering autorotations, normal take-off and approach, no-flare autorotation, and shut-down procedures.
Borrow from Army.

Primary pilot navigation (*Motion picture*) U. S. Dept. of the Air Force, 1955.

27 min., sd., color, 16 mm.
Order no. TF 1-4900.
Summary: Emphasizes the importance of a flying cadet's first cross-country solo. Includes the pre-flight preparations and all details of the flight plan and the flight.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Primary treatment plants (*Filmstrip*) U. S. Public Health Service, 1950.

47 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Municipal sewage treatment plants, no. 1)
Order no. 5-138.
Made principally from pictures in the slide sets released under the titles, Imhoff tank process (order no. 9-008.1) and Primary treatment process (order no. 9-008.2)
Summary: Pictures and describes units, structures, and details of equipment used in the operation of typical primary treatment plants for sewage treatment.
Borrow from PHS. *Buy from* NF.

Principal dimensions, reference surfaces and tolerances (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

12 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 3)
Order no. OE 53.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Relationship between the blueprint and a rough and finished casting; how to use a blueprint in selecting reference surfaces; interpret tolerances; and check the accuracy of finished work.
Buy from NF.

Principal dimensions, reference surfaces and tolerances (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

25 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 3)
Order no. OE 53-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Principes des tubes à gaz (*Motion picture*) U. S. Office of Education, 1957.

15 min., sd., b&w, 16 mm. (Étude de l'électronique)
Order no. OE 353-Fr.
French version of the 1945 motion picture entitled Principles of gas-filled tubes.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Discusses the theory of ionization as applied to gas-filled tubes; control of current in circuits employing gas-filled tubes; use of the gas diode as a rectifier; action of the grid in a gas triode; and application of the gas triode as a grid-controlled rectifier.
Buy from NF.

Principle of moments (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

23 min., sd., b&w, 16 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE 362.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Explains the concept of moment of a force; the formula for finding its numerical value; principle of moments as applied to all coplanar force systems.
Buy from NF.

Principle of moments (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

29 fr., b&w, 35 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE 362-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Principles of dry friction (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

17 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 365.
Supplemented by filmstrip with same title.
With instructor's manual.
Summary: Defines friction; explains the advantages and disadvantages of friction; the forces involved in friction; static and kinetic friction, and the calculation of the coefficients of static and kinetic friction.
Buy from NF.

Principles of dry friction (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

36 fr., b&w, 35 mm. (Engineering series)
Order no. OE 365-fs.
Supplements motion picture of the same title.
With instructor's manual.
Buy from NF.

Principles of fracture reduction (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.

31 min., sd., color, 16 mm.
Summary: Shows by animation the anatomy in various fractures of the long bones, and demonstrates methods of reduction on individual fractures by traction, counter-traction, and suspension. Emphasizes that the principles of fracture reduction can be applied in and farm house with the materials at hand.
Borrow from VA. *Buy from* CW.

Principles of gas-filled tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

15 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 4)
Order no. OE 353.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Theory of ionization applied to gas-filled tubes; control of current in circuits employing gas-filled tubes; use of the gas diode as a rectifier; action of the grid in a gas triode; and application of the gas triode as a grid-controlled rectifier.
Buy from NF.

Principles of gas-filled tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

36 fr., b&w, 35 mm. (Engineering series. Electronics, no. 4)
Order no. OE 353-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Principles of gas-filled tubes
see also
Principes des tubes à gaz

Principles of gearing: An introduction (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

18 min., sd., b&w, 16 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE 363.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Friction gears and toothed gears; law of gearing, positive driving, involute profiles, pressure angle, cycloid profiles, velocity rates, and circular pitch.
Buy from NF.

Principles of gearing: An introduction (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

37 fr., b&w, 35 mm. (Engineering series. Fundamentals of mechanics)

Order no. OE 363-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Principles of leadership (*Motion picture*) U. S. Dept. of the Army, 1953.

43 min., sd., b&w, 16 mm.

Order no. TF 21-1840.

Summary: Explains and illustrates eleven principles of leadership, and shows how a leader, using these principles as a guide, can develop the confidence, respect, obedience, and cooperation of his men.

Borrow from Army. Cleared for tv.

Principles of learning (*Motion picture*) U. S. Dept. of the Army, 1956.

23 min., sd., b&w, 16 mm. (Military instruction series, no. 1)

Order no. TF 21-2301.

Summary: Explains six principles of learning—Motivation, objective, doing, realism, background, and appreciation—and emphasizes the importance of understanding and applying them during all phases of instruction.

Borrow from Army. Buy from NF.

Principles of liquids and gases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

75 fr., b&w, 35 mm.

Order no. FS 1-22.

Summary: Explains the basic principles of liquids and of gases and the applications of these principles in airplanes, particularly the hydraulic system.

Borrow from Army. Buy from NF.

Principles of lubrication (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

16 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 355.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: The need for lubrication; properties of lubricants; action of lubricants; viscosity of lubricants; and conditions that determine proper viscosity.

Buy from NF.

Principles of lubrication (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

33 fr., b&w, 35 mm. (Engineering series)

Order no. OE 355-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Principles of operation and design (*Motion picture*) U. S. Public Health Service, 1952.

10 min., sd., b&w, 16 mm. (Individual sewage disposal systems, no. 1)

Order no. FG 50-a.

Summary: Explains the basic principles of the function, design, and layout of septic tanks for sewage disposal systems. Consists pictorially of graphics and models.

Borrow from PHS. Buy from NF.

Principles of operation of the automotive magneto (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

14 min., sd., b&w, 16 mm. (Automotive electricity for military vehicles series, no. 6)

Order no. TF 9-1531.

Summary: Explains by animation the function and advantages of magneto over battery ignition, the magnetic field, conductor, relative motion, primary and secondary windings and their application in two- and four-pole magnetos.

Borrow from Army. Buy from NF. Cleared for tv.

Principles of paperwork management (*Motion picture*) U. S. Dept. of the Navy, 1960.

13 min., sd., color, 16 mm.

Order no. FN 9433-a.

Summary: Describes the qualities of efficient, effective letter-writing and suggests ways of obtaining these qualities.

Borrow from Navy. Buy from NF. Cleared for tv.

Principles of paperwork management: Better correspondence practices (*Motion picture*) U. S. Dept. of the Navy, 1960.

11 min., sd., color, 16 mm.

Order no. FN 9433-c.

Summary: Describes nine ways of saving time and money in correspondence management.

Borrow from Navy. Buy from NF. Cleared for tv.

Principles of paperwork management: Managing your forms (*Motion picture*) U. S. Dept. of the Navy, 1960.

17 min., sd., color, 16 mm.

Order no. FN 9433-d.

Summary: Describes the efficient design and use of Navy forms and shows common errors. Outlines the procedure for obtaining well-designed forms.

Borrow from Navy. Buy from NF. Cleared for tv.

Principles of paperwork management: Managing your reports (*Motion picture*) U. S. Dept. of the Navy, 1961.

11 min., sd., color, 16 mm.

Order no. FN 9433-e.

Summary: Describes common deficiencies which occur in reports and in reporting procedures. Describes areas of possible improvement such as quality of content, frequency and timing, preparation procedures, and cost.

Borrow from Navy. Buy from NF. Cleared for tv.

Principles of paperwork management: Moving the mail (*Motion picture*) U. S. Dept. of the Navy, 1960.

14 min., sd., color, 16 mm.

Order no. FN 9433-b.

Summary: Discusses the administrative and supervisory problem of moving mail quickly and economically; shows fifteen ways of improving mail movement.

Borrow from Navy. Buy from NF. Cleared for tv.

Principles of paperwork management: Records disposal (*Motion picture*) U. S. Dept. of the Navy, 1961.

15 min., sd., color, 16 mm.

Order no. FN 9433-f.

Summary: Discusses the records disposal problem and suggests ways of solving it. Describes office management techniques for obtaining efficient use of storage space and providing for the correct disposal of records. Introduces and briefly describes relevant Navy manuals.

Borrow from Navy. Buy from NF. Cleared for tv.

Principles of refrigeration (*Motion picture*) U. S. Office of Education, 1944. Made by Graphic Films.

20 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 300.

Supplemented by filmstrip with same title.

With instructor's manual.

Summary: Purpose, nature, and physics of refrigeration; the refrigerant and the refrigeration system; and the two principal types of systems—compression and absorption.

Buy from NF.

Principles of refrigeration (*Filmstrip*) U. S. Office of Education, 1944. Made by Graphic Films.

44 fr., b&w, 35 mm. (Engineering series)

Order no. OE 300-fs.

Supplements the motion picture of the same title.

With instructor's manual.

Buy from NF.

Printed circuits and their repair (*Motion picture*) U. S. Dept. of the Air Force, 1961.

28 min., sd., color, 16 mm.
Order no. TF 1–5361.
Summary: Explains that the accomplishment of many Air Force missions is dependent upon the reliability of printed circuits. Shows how to manufacture, clean, coat, and dry printed circuits, and describes methods and tools used in their repair. Demonstrates how to remove and replace a faulty transistor and some types of emergency repair.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Printing the positive (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., b&w, 16 mm. (Fundamentals of photography series)
Order no. MN 5387.
Summary: Shows hand and machine methods of making photographic prints; emphasizes cleanliness, accessibility of supplies, timing, temperature, testing of solutions, and drying.
Borrow from Navy. *Buy from* NF.

Printmakers (*Motion picture*) U. S. Information Agency, 1961. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.

20 min., sd., color, 16 mm.
Summary: Shows five outstanding American graphic artists—Worden Day, Karl Schrag, Seong Moy, Gabor Peterdi, and Mauricio Lasansky—at work in their respective studios. Describes the technical skills of each in his individual approach to the art of printmaking.
Buy from NF. *Cleared for tv. Prior authorization required.*

Pro patria vigilans (*Motion picture*) U. S. Dept. of the Army, 1951.

22 min., sd., b&w, 16 mm.
Order no. MF 7777.
Summary: Depicts varied missions of the Signal Corps in World War II, showing how joint signal assault companies consisting of Signal Corps and Navy personnel established communications on beachheads, and presenting new developments, including a remote-control bomb that employs a television aiming device.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

A probing mind (*Motion picture*) U. S. Office of Education, 1961. Made by the National Educational Television and Radio Center.

29 min., sd., b&w, 16 mm.
Summary: Illustrates the uses of new educational media — films, television, recordings, teaching machines—and well-equipped laboratories in the teaching of high-school science.
Buy from NF. *Cleared for tv.*

Problem at Port Washington (*Motion picture*) U. S. Army Engineers, 1951.

10 min., sd., b&w, 16 mm.
Revision of the 1950 motion picture of the same title.
Summary: Demonstrates the effectiveness of a small-scale model study in development and testing of plans for reduction of storm-wave action in a Great Lakes harbor and compares wave action in model and prototype.
Borrow from Eng. *Cleared for tv.*

The problem of hookworm infection (*Motion picture*) U. S. Public Health Service, 1954.

8 min., sd., color, 16 mm.
Order no. M 157.
Summary: Emphasizes the dangers of hookworm disease, and pictures the life cycle of the hookworm, conditions in a rural home conducive to hookworm infection, and the effects of hookworm disease in a young girl.
Borrow from PHS. *Buy from* NF.

Problèmes de modèlerie
see Usinage précis du bois. Problèmes de modèlerie

Problems in patternmaking series
see Precision wood machining series. Problems in patternmaking

Problems in supervision series
see
Employing blind workers in industry
Employing disabled workers in industry
Establishing working relations for the disabled worker
Every minute counts
Improving the job
Instructing the blind worker on the job
Instructing the disabled worker on the job
Instructing the worker on the job
Introducing the new worker to his job
Maintaining good working conditions
Maintaining quality standards
Maintaining workers' interest
A new supervisor takes a look at his job
Placing the right man on the job
Planning and laying out work
Safety in the shop
Supervising women workers
Supervising workers on the job
The supervisor as a leader, part 1
The supervisor as a leader, part 2
Using visual aids in training
Working with other supervisors

Problems of agriculture and conservation in an industrial economy
see American history II, lecture 6: Problems of agriculture and conservation in an industrial economy

The problems of air power (*Filmstrip*) U. S. Civil Air Patrol, 1957.

63 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 13 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
Summary: Explains the components of air power as being military aviation, aircraft manufacturing, civil air transportation, a national airport system, aeronautical research, and technical education.
Buy from CAP.

Problems of finance and foreign trade in an industrial economy
see American history II, lecture 5: Problems of finance and foreign trade in an industrial economy

Problems of leisure (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in thet United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 15)
Summary: Describes ways in which the workers of America make use of their leisure time. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Problems of peace in Europe (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.
Order no. AFSR 97.
Summary: Presents some of the postwar political, social, and economic problems and progress of Europe, including English and Norwegian export trade and modernization of French and Italian agriculture and industry.
Borrow from Army. *Buy from* NF.

Processing of evidence, part 1: Preservation and collection (*Motion picture*) U. S. Dept. of the Army, 1960.

36 min., sd., b&w, 16 mm.
Order no. TF 19–2966
Summary: Depicts the techniques used by the Military Police in the preservation and collection of evidence after the commission of a criminal offense involving housebreaking, larceny, and murder.

Borrow from Army.

Processing of evidence, part 2: Handling, evaluating, and identifying (*Motion picture*) U. S. Dept. of the Army, 1960.

18 min., sd., b&w, 16 mm.
Order no. TF 19–2967
Summary: Illustrates how the Military Police handle, evaluate, and identify the evidence, collected in a criminal offense involving housebreaking, larceny, and murder.

Borrow from Army.

Production credit does the job (*Motion picture*) U. S. Dept. of Agriculture, 1953.
27 min., sd., color, 16 mm.
Summary: Explains the functions and operations today of the production credit associations authorized in the Farm credit act of 1933.
Rent from DA film libraries. *Cleared for tv.*

Production methods
see Optical production methods

The production of maple syrup (*Filmstrip*) U. S. Dept. of Agriculture, 1948.
59 fr., b&w, 35 mm.
Order no. 682.
With lecture notes.
Summary: Shows the value of maple syrup production in the United States, and something of the processes used.
Buy from PhotoLab.

Production of uranium feed materials (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Continental Productions Corp.

28 min., sd., color, 16 mm.
Summary: A semitechnical film describing the step-by-step processing of uranium—from ore concentrates to metal reduction and fabrication—in the feed materials plants of the AEC at Fernald, Ohio, and Weldon Spring, Missouri.

Borrow from AEC. *Buy from* Capital. *Cleared for tv.*

Produza mais alimentos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Portuguese version of Extra feeding pays.
Summary: Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.
Buy from NF. *Cleared for tv.*

Produza mais leite (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
10 min., sd., color, 16 mm.
Portuguese version of Better farming; more milk.
Summary: Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.
Buy from NF. *Cleared for tv.*

Professional medical films series
see
Shades of gray

Progressive maintenance diesel propulsion engine ser
see
Bearing removal and inspection, 8-268A engine
Bench work, 8-268A engine
Disassembly of the 8-268A engine
Reassembly of the 8-268A engine

Progressive maintenance on the General Motors 12-567A diesel engines series. Benchwork
see
Installation of cylinder head
Liner and piston
Reconditioning the fuel pump

Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly
see
Bearings
Cylinder head removal
Piston and liner removal

Progressive maintenance on the General Motors 12-567A diesel engines series. Reassembly
see
Installation of cylinder head
Installation of liner and piston

Project stalk (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., color, 16 mm.
Order no. MF 9–8260.
Summary: Depicts a research study conducted by U. S. Army Field Forces and the Ordnance Ballistic Research Laboratories at Camp Irwin, California, to determine the time required by American tanks to hit a target.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Properties of photographic lenses (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
65 fr., b&w, 35 mm.
Order no. FS 1–47.
Summary: Function of lenses; pinhole lenses; focal length of lenses; size of image; necessity for focusing lens; inversion of the image; circle of confusion; types of single lenses; chromatic aberration, achromatic lens, spherical aberration, curvilinear distortion, anastigmatic lenses.

Borrow from AF. *Buy from* NF.

Properties of radiation (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
68 min., sd., b&w, 16 mm. (The radioisotope series, no. 2)
Order no. FMF 5145–b.
Summary: Explains the characteristics and properties of primary and secondary nuclear radiations in terms of their ionizing effects. Introduces concepts concerning the effect of matter on radiation so that absorbing materials can be used to measure radiation characteristics or to shield against their biological effects. Discusses terminology and presentation of data as a prerequisite to practical measurement.

Borrow from Army. *Buy from* NF.

Property disposal in the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1956.
24 min., sd., b&w, 16 mm.
Order no. TF 1–5107.
Summary: Describes techniques and procedures for the conservation, utilization, and disposal of Air Force excess property. Explains how merchandizing may be accomplished through five types of sales which include spot bids, sealed bids, auctions, and negotiated and retail sales.

Borrow from AF. *Buy from* NF.

Protect frozen foods from temperature damage (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
24 double fr., color, 35 mm.
Order no. C–70.
Summary: A pictorial report of the time-temperature-tolerance project of the U. S. Department of Agriculture's Western Regional Research Laboratory in Albany, California, on the quality changes in frozen fruits, vegetables, juices, poultry and prepared foods under varying temperatures, related to time periods.
Buy from PhotoLab.

Protected passage (*Motion picture*) U. S. Army Engineers, 1953.
25 min., sd., color, 16 mm.
Summary: Shows the Gulf Intracoastal Waterway from Carrabelle, Florida to Brownsville, Texas, and explains how this waterway is connected to the Mississippi River and its tributaries and to the Atlantic Intracoastal Waterway.
Borrow from Eng. *Cleared for tv.*

Protection of metals, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.
53 fr., b&w, 35 mm.
Order no. SN 185–a.
Summary: Explains the necessity for protective coverings on metals; and shows how to apply protective coverings on metals in aircraft construction and maintenance.
Borrow from Navy. *Buy from* NF.

Protection of metals, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.
30 fr., b&w, 35 mm.
Order no. SN 185–b.
Summary: Explains the necessity for and shows the method of applying protective coverings to metals.
Borrow from Navy. *Buy from* NF.

Protective clothing for decontamination personnel
see ABC warfare defense ashore: Protective clothing for decontamination personnel

Protective mask fitting and drill (M17) (*Motion picture*) U. S. Dept. of the Army, 1962.
10 min., sd., b&w, 16 mm.
Order no.TF 3-3203
Summary: Shows how to select, fit, test, and adjust a protective mask; and how to execute a mask drill.
Borrow from Army. *Buy from* NF.

Protective mask inspection (M17) *Motion picture*) U. S. Dept. of the Army, 1962.
9 min., sd., b&w, 16 mm.
Order no. TF 3–3204
Summary: Illustrates procedures used in the inspection of the M17 field protective mask. Emphasizes the importance of caring for individual protective equipment for survival in a CBR attack.
Borrow from Army. *Buy from* NF.

Protein-free filtrate
see
Chemical techniques: Protein-free filtrate; Folin-Wu method
Chemical techniques: Protein-free filtrate; Somogyi method
Chemical techniques: Protein-free filtrate; tungstic acid method

Provide for the common defense (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Summary: Covers the Joint Civilian Orientation Conference held in 1956 for the purpose of enlightening representatives of the press, labor, management, finance, industry, research, and professional groups, with the planning and operation of the Nation's defense program. Follows the Conference from the opening sessions at the Pentagon through the subsequent periods at the Quantico Marine Base, Pensacola Naval Station, Eglin Air Force Base, and Ft. Benning, Georgia.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Proving Army missiles at White Sands (*Motion picture*) U. S. Dept. of the Army, 1962.
23 min., sd., color, 16 mm.
Order no. MF 45–9539
Summary: Describes the scope and operational highlights of the ordnance missile testing mission at White Sands Missile Range.
Borrow from Army. *Cleared for tv.*

Prunes are swell (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color or b & w, 16 mm. (Consumer education shorts)
Summary: Explains the selection, care, and uses of prunes. Produced especially for use on television.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Psoroptic sheep and cattle scabies (*Motion picture*) U. S. Dept. of Agriculture, 1956.
12 min., sd., color, 16 mm.
Summary: Describes the history of psoroptic scabies in the United States, and the symptoms in cattle and sheep. Shows methods of treatment, and outlines sound scabies eradication procedures.
Rent from DA film libraries. *Buy from* DA.

The psychiatric patient
see Your job and the psychiatric patient. Part 1: The psychiatric patient

Psychiatric problems met by the contact representative
see The difficult ones. Part 1: Psychiatric problems met by the contact representative

Psychotherapeutic interviewing: Introduction (*Motion picture*) U. S. Veterans Administration, 1950.
11 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 1)
Summary: Explains basic principles of the doctor-patient relationship, and the structure and goals of the psychotherapeutic interview. For professional personnel only.
Borrow from VA. *Buy from* NF.

Psychotherapeutic interviewing: Method of procedure (*Motion picture*) U. S. Veterans Administration, 1950.
32 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 2)
Summary: Depicts an interview between a patient and a psychiatrist: analyzes the principles and methods employed in the interview; and emphasizes the importance of the doctor-patient relationship, planning in terms of goals, focusing upon relevant topics, and minimal activity on the part of the doctor. For professional personnel only.
Borrow from VA. *Buy from* NF.

Psychotherapeutic interviewing series
see
An approach to understanding dynamics
A clinical picture of anxiety hysteria
A clinical picture of claustrophobia
Non-verbal communication
Psychotherapeutic interviewing: Introduction
Psychotherapeutic interviewing: Method of procedure

The public health aspects of migrant workers (*Motion picture*) U. S. Public Health Service, 1955.
16 min., sd., b&w, 16 mm.
Order no. M 194.
Summary: Shows how communicable diseases can be discovered and controlled in the migrant labor group, and explains the problems of disease control created through the migration of laborers.
Borrow from PHS. *Buy from* NF.

Public health aspects of poultry processing (*Motion picture*) U. S. Public Health Service, 1958.
24 min., sd., color, 16 mm.
Order no. M 199.
Summary: Explains the problems of public health significance associated with the processing, storage, transportation, and sale of commercially processed poultry. Recommends enforcement of the poultry sanitation ordinance developed by the U. S. Public Health Service in cooperation with State and local agencies and the poultry industry.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Public health problems in mass evacuation (*Motion picture*) U. S. Public Health Service, 1957.
13 min., sd., b&w, 16 mm.
Order no. M 220.
Summary: Explains the public health problems attending the mass evacuation of an urban population, including mass feeding, water supply, medical care, waste and sewage disposal, and disease outbreaks.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Public information objectives of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1956.
14 min., sd., color, 16 mm.
Order no. FN 8112.
Summary: Explains the importance of vigorous internal relations and community relations programs to the Navy. For Navy personnel, particularly officer candidates.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Public works and public utilities: Control of corrosion by cathode protection; buried metal structures (*Motion picture*) U. S. Dept. of the Navy, 1960.
19 min., sd., color, 16 mm.
Order no. MN 8131–e.
Summary: Discusses the theory of electrochemical corrosion on subsurface metal structures such as pipelines and tanks. Shows methods of determining the need for installing cathodic protective systems. Demonstrates installation, adjustments, and operational inspections required for the galvanic anode system and the impressed current system.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Public works and public utilities: Controlled maintenance (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.
19 min., sd., b&w, 16 mm.
Order no. MN 8131–a.
Summary: Shows the basic procedures of controlled maintenance in operation in a U. S. Navy shore establishment.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Public works and public utilities: Fuel storage tank cleaning (*Motion picture*) U. S. Dept. of the Navy, 1960.
32 min., sd., b&w, 16 mm.
Order no. MN 8131g.
Summary: Shows how to clean fuel storage tanks, emphasizing safety precautions in this hazardous operation.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Public works and public utilities: Painting structures ashore (*Motion picture*) U. S. Dept. of the Navy, 1960.
20 min., sd., color, 16 mm.
Order no. MN 8131–f.
Summary: Shows how to apply paint by brush, roller, and spray; explains how to store paint; and discusses in detail how various surfaces, both new and painted wood and metal, are prepared for painting.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Puerto Rico (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.
22 min., sd., b&w, 16 mm.
Order no. AFSR 122.
Summary: Explains the struggle and growth of Puerto Rico with emphasis upon its strategic value as a military, air, and naval base.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Pulling and installing cable and packing terminal tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 4)
Order no. OE 113.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to pull, strap, and straighten cable; prepare cable for pushing and for pulling with a rope; and pack terminal tubes.
Buy from NF.

Pulling and installing cable and packing terminal tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 4)
Order no. OE 113–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Purification of water (*Motion picture*) U. S. Dept. of the Army, 1955.
20 min., sd., b&w, 16 mm.
Order no. TF 8–1816.
Summary: Demonstrates unit and individual techniques for water purification in the field, including the use of chemicals, filtering, and boiling.
Borrow from Army.

Pursuit of happiness (*Motion picture*) U. S. Information Agency, 1957. Made by Herbert Kerkow, inc. Released for public educational use in the United States through U. S. Office of Education, 1957.
31 min., sd., b&w, 16 mm.
Summary: Portrays a first-time visitor to the United States, and his later insights after observing incidents in the lives of a farmer, an auto worker, a shoe factory executive, and a college student. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Putting words to work
see Practical English usage I, lecture 2: Putting words to work; end punctuation

Q

Q (query) fever (*Filmstrip*) U. S. Public Health Service, 1950.
90 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5–156.
Issued also as a set of slides (order no. 9–087)
Summary: Explains the diagnosis, characteristics, and methods of transmission of Q fever from animals to humans, and the control measures being used. For scientific personnel.
Borrow from PHS.

QM operation in Europe (*Motion picture*) U. S. Dept. of the Army, 1955.

27 min., sd., b&w, 16 mm.
Order no. MF 10-8501.

Summary: Explains the U. S. Army Quartermaster operations in Germany and surrounding NATO countries, and shows how services and supplies are made available to troops and their dependents stationed in Europe.

Borrow from Army. *Buy from* NF.

Quadratic equations
see Beginning algebra II, lecture 15 [–16]: Quadratic equations

Quality assurance for quantity buyers of poultry and eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

40 fr., color, 35 mm.
Order no. C-93

Summary: Describes the poultry and egg acceptance service of the United States Dept. of Agriculture and explains how quantity buyers benefit from the service.

Buy from Photo Lab.

Quality assured (*Motion picture*) U. S. Dept. of the Army, 1962.

9 min., sd., color, 16 mm.
Order no. MF 3-9344

Summary: Describes the purpose of the quality assurance program implemented by the U. S. Army Chemical Corps to assure the reliability of all items issued to troops, including the stages of research and development, design engineering, production, and storage and maintenance.

Borrow from Army. *Buy from* NF.

Quality control (*Motion picture*) U. S. Dept. of the Air Force, 1955.

25 min., sd., b&w, 16 mm.
Order no. SFP 363.

Summary: Explains the responsibility of the Air Matériel Command for quality control with regard to procurement, supply, and maintenance. Using North American Aviation, Inc. as an example, shows the steps taken in quality control inspection of all equipment and parts of aircraft assembly.

Borrow from AF. *Cleared for tv.*

Quality control: a management tool (*Motion picture*) U. S. Dept. of the Air Force, 1959.

21 min., sd., color, 16 mm.
Order no. SFP 616.

Summary: Highlights various quality control operations in depots, industrial plants, and air commands and shows how integrated teamwork helps maintain a constant high degree of perfection in aircraft and missile components.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Quality of a man's suit (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

29 double fr., b&w, 35 mm.
Order no. 710.
With lecture notes.

Summary: Explains factors to be considered in buying a man's suit.

Buy from PhotoLab.

Quartermaster at work (*Motion picture*) U. S. Dept. of the Army, 1952.

19 min., sd., b&w, 16 mm.
Order no. MF 10-7937.

Summary: Explains that the Quartermaster Corps is the U. S. Army's storekeeper and is responsible for keeping the Army fed, clothed, fueled, and supplied with fighting equipment. Shows the research and testing being done by the Quartermaster Corps in food, clothing, and equipment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Quartermaster missions and career opportunities (*Motion picture*) U. S. Dept. of the Army, 1961.

24 min., sd., color, 16 mm.
Order no. MF 10-9278

Summary: Describes the scope and complexity of the missions of the Quartermaster Corps, and discusses the military career opportunities in the corps.

Borrow from Army.

Quartermaster quality control for clothing and textile items (*Motion picture*) U. S. Dept. of the Army, 1959.

17 min., sd., b&w, 16 mm.
Order no. MF 10-9021.

Summary: Discusses a new system of quality control inspection of the U. S. Army and describes its application to the manufacture of clothing and textile items.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Quartermaster quality control for general supplies (*Motion picture*) U. S. Dept. of the Army, 1959.

17 min., sd., b&w, 16 mm.
Order no. MF 10-9022.

Summary: Discusses a new system of quality control inspection of the U. S. Army and describes its application to the manufacture of general supplies and equipment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Quartermaster quality control for subsistence items (*Motion picture*) U. S. Dept. of the Army, 1959.

18 min., sd., b&w, 16 mm.
Order no. MF 10-9023.

Summary: Discusses a new system of quality control inspection of the U. S. Army and describes its application to the production of food and other subsistence items.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

O que e a doença? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Saúde para as Américas)
Portuguese version of What is disease?

Summary: Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Que es enfermedad? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Salud para las Américas)
Spanish version of What is disease?

Summary: Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Queen of the vegetables (*Motion picture*) U. S. Dept. of Agriculture, 1952.

6 min., sd., color or b & w, 16 mm. (Consumer education shorts)

Summary: Explains the selection, care, and uses of tomatoes. Produced especially for use on television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Quiet triumph (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

15 min., sd., b&w, 16 mm.

Summary: Describes the work of the Veterans Administration Chaplaincy Service, the background and selection of VA chaplains, and examples of services performed by these chaplains for all faiths.

Borrow from VA.

Quieting a noisy refrigerator (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
16 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 10)
Order no. OE 447.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check and correct noise caused by high head pressure or oil-logged evaporator; compressor noises; motor noises; and noises caused by wear or looseness of parts.

Buy from NF.

Quieting a noisy refrigerator (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
32 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 10)
Order no. OE 447-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

R

RCL (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.
34 min., sd., b&w, 16 mm. (Radio technician series)
Order no. MN 1540-c.
Supplemented by filmstrip with same title.
Summary: Explains current and voltage in relation to time; voltage and current curves; the relationship of current and voltage; the measurement of voltage at source; the addition of phase components; and the effect of impedance on resonance.

Borrow from Navy. *Buy from* NF.

RCL (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.
34 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540-ac.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

REA comes to the farm (*Motion picture*) U. S. Dept. of Agriculture, 1955.
6 min., sd., b&w, 16 mm.
Summary: Shows electrical equipment used for modernizing farm homes after REA brought in electric lines. For television use.
Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

The REA story (*Motion picture*) U. S. Dept. of Agriculture, 1960.
28 min., sd., color, 16 mm.
Summary: Reviews the 25-year history of the Rural Electrification Administration and stresses the importance of electric power to farms and ranches in remote areas. Shows scenes of farm life before and after electricity; also shows a modern, electric-powered poultry farm and dairy farm.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

ROTC at work (*Motion picture*) U. S. Dept. of Defense, 1948.
11 min., sd., b&w, 16 mm.
On Reel with General Pershing.
Order no. AFSR 98.
Summary: Activities of the Reserve Officers Training Corps in encampment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Rabbeting and shaping an edge on straight stock (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
18 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the spindle shaper, no. 1)
Order no. OE 318.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Principle of the shaper operation; how to set up the machine for cutting rabbets; cut rabbets; set up the machine to shape molding; and shape a molding.

Buy from NF.

Rabbeting and shaping an edge on straight stock (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
50 fr., b&w, 35 mm. (Precision wood machining series. Operations on the spindle shaper, no. 1)
Order no. OE 318-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rabbeting and shaping an edge on straight stock
see also
Feuillurage et toupillage d'un champ sur un matériel droit

Rabbit raising (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
50 double fr., b&w, 35 mm.
Order no. 685.
Summary: Explains how to breed and feed the domestic rabbit, and to market its meat, pelts, and fur.
Buy from PhotoLab.

Rabies control in the community (*Motion picture*) U. S. Public Health Service, 1956.
11 min., sd., b&w, 16 mm.
Order no. M 188.
Summary: Shows actual cases of rabies in both humans and dogs, how apathy of dog owners can permit rabies to become a community problem, and how concerted community action can prevent rabies. Intended for veterinarians.

Borrow from PHS. *Buy from* NF.

Rabotage de surfaces rugueuses à certaines dimensions (*Motion picture*) U. S Office of Education, 1951.
17 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la raboteuse sur une face, no 1)
Order no. OE 301-Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Planing rough surfaces to dimensions.

Buy from NF.

Radar eyes the weather. Part A: Fundamentals of radar meteorology (*Motion picture*) U. S. Dept. of the Air Force, 1961.

25 min., sd., b&w, 16 mm.
Order no. TF 1-5344a.
Summary: Discusses the basic principles of radar meteorology. Explains reflectivity and factors affecting it, such as hydrometers and precipitation attenuation; demonstrates use of the PPI and RHI scope; shows various types of clouds and describes their characteristics.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Radar eyes the weather. Part B: Analysis of severe weather (*Motion picture*) U. S. Dept. of the Air Force, 1961.

21 min., sd., b&w, 16 mm.
Order no. TF 1-5344b.
Summary: Explains the necessary use of weather data from other sources in addition to radar scope readings when the approach of severe weather seems imminent. Uses animation to demonstrate the life cycle of a thunderstorm and discusses factors which affect it. Shows how the meteorologist must be alert for areas of deception, such as squall lines resembling cold fronts, and other situations which might cause ambiguous scope readings.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Radar refraction and weather: Airborne early warning and control (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., color, 16 mm.

Order no. TF 1–5079d.

Summary: Explains weather conditions that affect aircraft radar units during flight and stresses the importance of radar in the detection of hostile aircraft.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Radar refraction and weather: The radar coverage problem (*Motion picture*) U. S. Dept. of the Air Force, 1956.

19 min., sd., color, 16 mm.

Order no. TF 1–5079b.

Summary: Discusses geometry of refraction; application of radar optics; actual cases of loss of coverage due to radar ducts and radar holes; problems of radar stations beneath the refractive layer, directly in the refractive layer, and above the refractive layer; extended ground clutter; jamming of two radars caught in a refractive layer; and mutual interference of two radars.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Radar refraction and weather: The radar weather problem (*Motion picture*) U. S. Dept. of the Air Force, 1956.

15 min., sd., color, 16 mm.

Order no. TF 1–5079c.

Summary: Explains how weather information is used at three different levels: operational radar site, division or sector control center, and staff level for planning purposes. Emphasizes the importance of teamwork at each level with the weather station.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Radar refraction and weather: Why the weather? (*Motion picture*) U. S. Dept. of the Air Force, 1956.

23 min., sd., color, 16 mm.

Order no. TF 1–5079a.

Summary: Explains various atmospheric conditions and their effects on the performance of radar equipment. Defines such terms as standard refraction, anomolous propagation, super refraction, subrefraction, subsidence, inversion, and radar hole. Emphasizes the importance of close coordination of weather personnel.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Räddning av instängda under bombade hus
see
Trapped

Radial drill series
see Machine shop work series. Operations on the drill press. Radial drill

Radiation hygiene series
see
Dental X-ray equipment: Alteration for modern radiation hygiene

Radiation in perspective (*Motion picture*) U. S. Atomic Energy Commission, 1963. Made by U. S. Dept. of Agriculture.

43 min., sd., color, 16 mm.

Summary: Summarizes some of the beneficial uses of radioactive materials in medicine, agriculture, industry, systems for nuclear auxiliary power, and food sterilization that justify acceptance of the hazard. Explains briefly the internal radiation problem and, in detail, the external radiation problem. Discusses the somatic and genetic effects, and makes a comparison of the acceptable-versus-dangerous levels for radiation with that of the levels for carbon monoxide to show the conservative nature of radiation regulations. Explains how time, distance, and shielding are used to control external radiation exposure.

Borrow from AEC. *Buy from* DA–MPS. *Cleared for tv.*

Radiation safety in nuclear energy explorations (*Motion picture*) U. S. Public Health Service and Atomic Energy Commission, 1962.

26 min., sd., color, 16 mm.

Order no. M 461.

Summary: Depicts the activities of the Division of Radiological Health of the Public Health Service, showing public health programs designed for protection against radiation.

Borrow from PHS or AEC. *Buy from* NF.

Radical resection of the maxilla with early prosthetic restoration (*Motion picture*) U. S. Veterans Administration, 1955.

19 min., sd., color, 16 mm.

Summary: Demonstrates in a patient with a carcinoma of the maxillary sinus, a surgical technique for radical resection of the superior maxilla. Shows a Weber-Fergusson type of incision, elevating the cheek in a single flap. Explains that because of tumor extension, the eye and orbit are exenterated. After removal of the maxilla, the cheek flap is lined with a split thickness skin graft to hasten healing. One week postoperatively, a temporary acrylic obturator is inserted to allow restoration of phonation and deglutition. Shows details of the final upper denture prosthesis with obturator attachment, and demonstrates the result after three years.

Borrow from VA.

Radical retroperitoneal node dissection in the treatment of testicular tumors (*Motion picture*) U. S. Dept. of the Army, 1957.

20 min., sd., color, 16 mm.

Order no. PMF 5315.

Summary: Shows the dissection of germinal tumors. Describes clinically and microscopically seminoma, embryonal carcinoma, teratocarcinoma, and choriocarcinoma. Demonstrates, using two separate cases, retroperitoneal dissections covering incision, and dissection of nodes from all the involved areas. For medical audiences.

Borrow from Army.

Radio and control (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

55 fr., b&w, 35 mm.

Order no. SN 812.

Summary: Explains the use of aircraft radio in maintaining contact with base stations.

Borrow from Navy.

Radio antennas: Creation and behavior of radio waves (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

12 min., sd., b&w, 16 mm.

Order no. TF 1–474.

Summary: Explains electric and magnetic fields, generation of electro-magnetic waves, behavior of radio waves in space, ground wave, reflection and refraction, the ionosphere, and causes of fading.

Buy from NF.

Radio compass equipment (*Motion picture*) U. S. Dept. of the Air Force, 1955.

31 min., sd., b&w, 16 mm.

Order no. TF 1–4989.

Summary: Covers the principles of operation of the AN/ARN–7 radio compass, and discusses problems which arise during actual flight.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Radio direction finder (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

56 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–e, formerly SG 3883–e.

Summary: Describes the construction and operation of the radio direction finder, models RDSC–121, DAE, and CGR–17.

Buy from NF.

Radio frequency amplification (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

18 fr., b&w, 35 mm.

Order no. SN 653.

Summary: Describes the theory and practice of amplification of the radio wave.

Borrow from Navy. *Buy from* NF.

Radio interference from rural power lines (*Motion picture*) U. S. Dept. of Agriculture, 1953.
45 min., sd., b&w, 16 mm.
Summary: A classroom demonstration, using models, charts, and blackboard explanations, of the causes of radio interference from power lines in rural areas. Prepared for the training of employees of rural electrification cooperatives.
Rent from DA Film Libraries. *Buy from* NF.

Radio interference, part 1 (*Motion picture*) U. S. Dept. of the Army, 1958.
23 min., sd., b&w, 16 mm.
Order no. TF 11-2487
Summary: Explains the significance of radio interference in military operations; describes the nature and theory of radio interference, how it is generated and propagated, and how it can be recognized.
Borrow from Army.

Radio interference, part 2 (*Motion picture*) U. S. Dept. of the Army, 1958.
37 min., sd., b&w, 16 mm.
Order no. TF 11-2488
Summary: Shows how sources of radio interference can be tracked down and various kinds of interference suppressed.
Borrow from Army.

The radio man fights (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm. (Radio operator training series)
Order no. MN 2821-a.
Summary: Follows the course of a message from Washington, D. C. to a task force flagship at Guadalcanal; explains the importance of radio in the Navy; and presents an over-all picture of the training and duties expected of each radioman.
Borrow from Navy. *Buy from* NF.

Radio navigation. Part 1: Introduction and aids to radio navigation (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
59 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-269.
Summary: Explains how the radio compass, loop antenna, radio range station, and broadcasting station are utilized in aerial navigation.
Borrow from AF.

Radio navigation. Part 3: Radio bearings (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
42 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-270.
Summary: Defines the terms true, relative, and reciprocal bearings, and shows how to take and use radio bearings to obtain a fix.
Borrow from AF.

Radio navigation, part 5 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
98 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 25 min. (Instrument flight control series)
Order no. SN 1059-k.
Summary: Illustrates principles, uses, and operation of the radio direction finder.
Borrow from Navy.

Radio navigation: The radio range (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
64 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 25 min. (Instrument flight control series)
Order no. SN 1059-x.
Revision of filmstrip produced in 1943 with title: Radio navigation: part 1, Radio range flying.
Summary: Shows means used by the Civil Aeronautics Administration to provide navigation radio beams for aircraft within the U. S. Explains on course signals; call letters; leg and equi-signal; M, Fan, and Z markers; and the phenomenon of the multiple or bent beam.
Borrow from Navy.

Radio operator training series
see
The radio man fights
Rhythm, speed, and accuracy in hand sending
The technique of hand sending
Transmission security

Radio range course control elements (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
42 fr., b&w, 35 mm.
Order no. FS 1-529.
Summary: Describes the components and construction of the interlocking, squeezing, rotating, and bending elements, and how each controls the low frequency radio range courses.
Borrow from AF.

Radio receivers: Principles of radio receivers (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
17 min., sd., b&w, 16 mm.
Order no. TF 1-472.
Summary: Portrays the principles and working of typical radio receivers, including crystal and tube detectors, radio and audio frequency amplification, and the superheterodyne circuit.
Buy from NF.

Radio relay equipment AN/TRC–35 and 36. Part 4: System line up procedures (*Motion picture*) U. S. Dept. of the Army, 1959.
24 min., sd., b&w, 16 mm.
Order no. TF 11-2766.
Summary: Explains the theory and application of the system line-up procedures necessary for the efficient operation of radio relay equipment AN/TRC–35 and 36. Depicts (1) the procedures for the radio system line-up, including pre-setting radio equipment and line-up of radio receivers and transmitters in the system in A to B and B to A directions; and (2) the overall system line-up, when the radio relay equipment is used in conjunction with telephone carrier equipment, including pre-setting relay equipment and system line-up with telephone equipment AN/TCC–3 in A to B and B to A directions.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Radio sets AN/GRC 3, 4, 5, 6, 7, and 8 (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. TF 11-1738.
Summary: Explains the characteristics, components, and mechanical operation of the Army-Navy radio sets in the GRC (ground radio control) classification.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Radio shop techniques (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
38 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-e.
Summary: Shows tools used by a radio technician and demonstrates orthographic projection, layouts, sawing and filing, drilling, bending metal, wiring, and soldering in making a regenerative receiver.
Borrow from Navy. *Buy from* NF.

Radio technician training series
see
Audio oscillator operation
Capacitance
Inductance
Oscillators
Periodic functions
RCL
Radio shop techniques
Rectangular coordinates
Signal generator operation
Special purpose vacuum tubes
Standing waves on transmission lines
Synchro systems, part 1
Synchro systems, part 2
Tube tester operation
Vectors
Volt ohmmeter operation

Radio technician training series. Elementary electricity
see
Amperes, volts, and ohms
Current and electromotive force
Series and parallel circuits

Radio transmission security (*Motion picture*) U. S. Dept. of the Army, 1955.
28 min., sd., b&w, 16 mm.
Order no. TF 11–1976.
Summary: Describes some violations of radio transmission security in a task-force operation; explains various security precautions, and channels by which the enemy can learn of our plans particularly through radio transmission; emphasizes carelessness of individual operators in compromising the secrecy of various phases of the operation.

Borrow from Army. *Buy from* NF.

Radioactive contamination (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1953.
18 min., sd., b&w, 16 mm.
Order no. AFSWP 5201.
Summary: Portrays two shipyard workers expressing fear of radioactive contamination of U. S. S. Independence after Bikini atomic bomb tests. Explains that radioactive contamination is only one of the effects of atomic bomb explosions, and illustrates methods used in decontamination of radioactive elements. Produced under the supervision of the Armed Forces Special Weapons Project.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The radioactive isotope series
see
Fundamentals of radioactivity

Radioactive waste disposal (*Motion picture*) U. S. Public Health Service, 1961.

24 min., sd., color, 16 mm.
Order no. M–443
Summary: Shows precautions used at the National Institutes of Health in handling radioactive waste and the care used in its disposal in the ocean.

Borrow from PHS. *Buy from* NF.

Radioactivity: Laboratory demonstrations (*Motion picture*) U. S. Dept. of the Army, 1949.
17 min., sd., color, 16 mm.
Order no. PMF 5110.
Summary: Explains elementary principles of radioactivity and shows instruments used in the laboratory for detection and counting. For professional personnel.
Borrow from Army.

Radiodontics (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
37 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.
Order no. SN 2204.
Summary: Explains how radiograph is used to locate retained roots, impacted teeth, fractures, cavities, overhanging fillings, abnormal growths, and diseases of teeth and gums. For dental personal.

Borrow from Navy. *Buy from* NF.

The radioisotope: Methodology (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
33 min., sd., b&w, 16 mm. (The radioisotope series, no. 4)
Order no. PMF 5145–d.
Summary: Illustrates criteria of tracer methodology for radiochemical purity; explains the importance, in designing a tracer experiment, of economy of time and materials and of accuracy; and portrays a research team planning a typical tracer experiment (metabolism of the horse bean plant) in which appropriate criteria are observed.

Borrow from Army. *Buy from* NF.

The radioisotope series
see
The physical principles of radiological safety
Practical procedures of measurement
The practice of radiological safety
Properties of radiation
The radioisotope: Methodology
Radioisotopes in agricultural research
Radioisotopes in general sciences

Radioisotopes in agricultural research (*Motion picture*) U. S. Dept. of the Army, 1952.
41 min., sd., b&w, 16 mm. (The radioisotopes series, no. 12)
Order no. PMF 5147–b.
Summary: Explains the use of radioisotopes in agricultural research; traces the utilization of chemicals by plants and animals, and explains how the exact amounts needed are determined by radioactive chemicals; shows the manufacture of radioactive phosphate; and shows experiments using radioactive phosphate in fertilizer and radioactive cobalt in livestock.

Borrow from Army. *Buy from* NF.

Radioisotopes in general sciences (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
46 min., sd., b&w, 16 mm. (The radioisotope series, no. 13)
Order no. PMF 5147–c.
Summary: Gives nine illustrations of the radioisotope as an important research tool adaptable to tracer investigations in all branches of general science, including metallurgy, chemistry, biochemistry, and plant physiology.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Radiological defense in civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1960.

25 min., sd., b&w, 16 mm.
Order no. MN 8923.
Summary: Describes the three forms of nuclear explosions and their effects. Discusses individual and ship protective measures against these effects, the organization of civilian-manned ships for radiological defense, securing ship, rigging and use of the MSTS (Military Sea Transportation Service) washdown countermeasure, and radiological monitoring and decontamination procedures in civilian-manned and merchant marine ships.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Radiological survey (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. AFSWP 5202.
Summary: Portrays a simulated underwater explosion of an atomic bomb near the coast, the radioactive fog created and spread inland over a 10-mile area, and the aerial and ground surveys made by helicopters and ground crews of the radiologically contaminated area. Produced under the supervision of the Armed Forces Special Weapons Project.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Radiological surveys (*Motion picture*) U. S. Dept. of the Army, 1960.

22 min., sd., b&w, 16 mm.

Order no. TF 3-2880.

Summary: Describes the provisions for detecting radiation fallout after a nuclear attack. Explains the nature and hazards of nuclear radiation; discusses the mission and operation of Army radiological centers in combat; and demonstrates how fallout information is collected, evaluated, and distributed for troop safety.

Borrow from Army. *Buy from* NF.

Radiotherapy: High dosage treatment (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

17 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 411.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Nature and physiological effects of high dosage X-rays; administration of X-ray treatment for carcinoma of the tongue; function and administration of radon seeds; factors in care of patients receiving X-ray therapy.

Buy from NF.

Radiotherapy: High dosage treatment (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

39 fr., b&w, 35 mm. (Nursing series)

Order no. OE 411–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rail right-of-way maintenance and repair: Elements of maintenance (*Filmstrip*) U. S. Dept. of the Army, 1954.

96 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.

Order no. SFS 55–18.

Summary: Presents basic procedures for rail maintenance, underscoring their importance to railway safety with respect to tie renewal, spot surfacing and lining, identifying and removing of a defective rail, and turnouts.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Railroad safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

34 min., sd., b&w, 16 mm.

Order no. TF 55–1731.

Summary: Explains the importance of safety in all phases of railroad work: in the yards, aboard trains, along the right of way, and in the maintenance shops.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Railroads (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 19)

Summary: Presents the problems encountered by railroads in the United States, the changes that have occurred during the past 50 years, and current developments. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Rainbow Valley: The story of a forest ranger (*Motion picture*) U. S. Dept. of Agriculture, 1954.

28 min., sd., color, 16 mm.

Summary: Portrays the work and responsibilities of U. S. forest rangers, and the benefits of the National forests in terms of timber, water, grass, wildlife, and recreation.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Raindrops and erosion (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

50 fr., b&w, 35 mm.

Order no. 672.

With lecture notes.

Summary: Shows how raindrops loosen topsoil, cause flood run-off, and accelerate silt accumulation in streams and reservoirs.

Buy from PhotoLab.

Raindrops and soil erosion (*Motion picture*) U. S. Dept. of Agriculture, 1947.

21 min., sd., color, 16 mm.

Summary: Shows through the use of close-up photography the action of individual raindrops upon uncovered soil; and emphasizes the need for soil and water conservation methods.

Rent from DA film libraries.

The raisins you buy (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the California Raisin Advisory Board, 1957.

4 min., sd., color, 16 mm.

Summary: Explains how California raisins are cleaned, processed, and packaged, and the role the U. S. Department of Agriculture Inspection Service plays in this process to determine the quality of raisins.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Rangeland research at Manitou (*Motion picture*) U. S. Dept. of Agriculture, 1962.

21 min., sd., color, 16 mm.

Summary: Discusses the research being conducted by the Rocky Mountain Forest and Range Experiment Station at the Manitou Experimental Forest in Colorado, describing the extensive studies in cattle, land, and water. Shows the effects on land and water of different degrees of grazing.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Ranger (*Motion picture*) U. S. Dept. of the Army, 1960.

28 min., sd., b&w, 16 mm.

Order no. TF 7–2872

Summary: Describes the ranger training given at Fort Benning, Georgia, including physical conditioning and basic military skills; instruction in waterborne, swamp, and jungle warfare; and mountain warfare operations.

Borrow from Army. *Cleared for tv.*

Rat ectoparasite control (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

12 min., sd., b&w, 16 mm. (Rodent control series, no. 7)

Order no. TF 8–1675 or M 37–g.

Summary: Explains the necessity, in areas where murine typhus or plague exist, to kill rat fleas even before killing the rats; and demonstrates the methods of using DDT to kill fleas.

Borrow from Army.

Rat ectoparasite control (*Motion picture*) U. S. Public Health Service, 1954.

8 min., sd., b&w, 16 mm. (Rodent control, no. 8)

Order no. M 37.1–g.

Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.

Summary: Explains the necessity, in areas where murine typhus or plague exist, to kill rat fleas even before killing the rats; and demonstrates methods of using DDT to kill the fleas.

Borrow from PHS. *Buy from* NF.

Rat eradication measures on ratproofing projects (*Filmstrip*) U. S. Public Health Service, 1947.

78 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. 5–068.

Summary: Explains the steps to be taken in the eradication of rats from a ratproofed building, including the use of various poisons and traps, and the need for periodic inspections.

Borrow from PHS.

Rat killing (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

36 min., sd., b&w, 16 mm. (Rodent control series, no. 6. Practical rat control, no. 3)

Order no. TF 8–1674 or M 37–f.

Summary: Discusses the uses of such rodenticides as red squill, ANTU, arsenic trioxide, 1080 water, and warfarin; and emphasizes three aspects of rat control—sanitation techniques, ratproofed buildings, and rat killing.

Borrow from Army.

Rat killing (*Motion picture*) U. S. Public Health Service, 1954.

13 min., sd., b&w, 16 mm. (Rodent control, no. 6. Practical rat control, no. 3)

Order no. M 37.1–f (1).

Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.

Summary: Emphasizes three aspects of rat control — sanitation techniques, ratproofed buildings, and rat killing.

Borrow from PHS. *Buy from* NF.

Rat killing
see also
Area poisoning

The rat problem (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

25 min., sd., b&w, 16 mm. (Rodent control series, no. 1)

Order no. TF 8–1669 or M 37–a.

Summary: Orientation film emphasizing the extent and seriousness of the health and economic problems caused by rats.

Borrow from Army. *Buy from* NF.

The rat problem (*Motion picture*) U. S. Public Health Service, 1954.

16 min., sd., b&w, 16 mm. (Rodent control, no. 1)

Order no. M 37.1–a.

Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.

Summary: Orientation film emphasizing the extent and seriousness of the health and economic problems caused by rats.

Borrow from PHS. *Buy from* NF.

Ratio, proportion, and variation
see Beginning algebra II, lecture 9: Ratio, proportion, and variation

Ration breakdown (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

10 min., sd., b&w, 16 mm.

Order no. TF 10–1654.

Summary: Illustrates ration servicing in the field from a divisional class I supply point.

Borrow from Army.

Ratproofing (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

18 min., sd., b&w, 16 mm. (Rodent control series, no. 5. Practical rat control, no. 2)

Order no. TF 8–1673 or M 37–e.

Summary: Explains methods and materials to be used in the ratproofing of buildings so as to prevent the entry or exit of rats, and after ratproofing the exterior of a building, the necessity of killing all rats inside.

Borrow from Army.

Ratproofing (*Motion picture*) U. S. Public Health Service, 1954.

10 min., sd., b&w, 16 mm. (Rodent control, no. 5. Practical rat control, no. 2)

Order no. M 37.1–e.

Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.

Summary: Explains methods and materials to be used in the ratproofing of buildings so as to prevent the entry or exit of rats, and after ratproofing the exterior of a building, the necessity of killing all rats inside.

Borrow from PHS. *Buy from* NF.

Ratproofing of existing buildings (*Filmstrip*) U. S. Public Health Service, 1947.

80 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.

Order no. 5–067.

Summary: Briefly explains the habitat of rats and the need for ratproofing buildings; and demonstrates the methods by which existing buildings can be ratproofed and maintained in a rat-free condition.

Borrow from PHS.

Reaching for space (*Motion picture*) U. S. Dept. of the Air Force, 1958.

14 min., sd., b&w, 16 mm.

Order no. SFP 603.

Summary: Describes the extensive research which the Air Force is conducting to meet the challenge of outer space.

Borrow from AF. *Cleared for tv.*

Reactor fuel processing (*Motion picture*) U. S. Atomic Energy Commission, 1958.

20 min., sd., color, 16 mm.

Summary: Describes radiochemical processing of irradiated reactor fuels, including steps in chemical separation and waste-disposal operations at various facilities of the Atomic Energy Commission.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Reading a drawing of a valve bonnet (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 5)

Order no. OE 55.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to interpret conventional symbols and tolerance specifications and use the blueprint in planning machine operations.

Buy from NF.

Reading a drawing of a valve bonnet (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

30 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 5)

Order no. OE 55–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Reading a three-view drawing (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

10 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 2)

Order no. OE 52.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use a blueprint to visualize the object; interpret a blueprint; and make a tool block according to specifications shown on a blueprint.

Buy from NF.

Reading a three-view drawing (*Filmstrip*) U. S. Office of Education, 1946. Made by Ray-Bell Films.

30 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 2)

Order no. OE 52–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Reading a three-view drawing
see also
Interpretación de un plano en tres proyecciónes

Ready for sea (*Motion picture*) U. S. Dept. of the Navy, 1952.

14 min., sd., b&w, 16 mm.

Order no. MN 7445.

Summary: Follows the training necessary to make a young civilian into a sailor ready for sea; shows scenes of the work, study, play, and companionship which comprises "boot camp."

Borrow from Navy. *Cleared for tv.*

Realm of the honeybee (*Motion picture*) U. S. Dept. of Agriculture, 1932.

62 min., si., b&w, 16 mm.

Summary: Shows and describes the life and value of bees in the production of honey and beeswax and as nature's agent in cross-pollination.

Rent from DA Film Libraries. *Buy from* NF.

Realm of the wild (*Motion picture*) U. S. Dept. of Agriculture, 1945.

27 min., sd., color, 16 mm.

Summary: Scenes of wildlife in the national forests—big game, small animals, and birds; emphasizes the relationship between wildlife population and the available food supply.

Rent from DA film libraries.

Reaming with straight hand reamers (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

20 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 4)

Order no. OE 37.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Types of reamers; how to check the size of reamers; and how to ream straight holes with straight-fluted, helical-fluted, and adjustable-blade reamers.

Buy from NF.

Reaming with straight hand reamers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

47 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 4)

Order no OE 37-fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

Reaming with taper hand reamers (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

15 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 5)

Order no. OE 38.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to hand ream a tapered hole through a shaft and collar; fit a taper pin in the reamed hole; and ream bearing caps for fitting dowel pins.

Buy from NF.

Reaming with taper hand reamers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

41 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 5)

Order no. OE 38-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Reassembling the engine (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

22 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 271.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to reassemble the crankshaft and camshaft assemblies, crankcase section, and gear case cover assembly; reinstall the oil sump; and complete reassembly of the engine.

Buy from NF.

Reassembling the engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

50 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 271-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Reassembly, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

23 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)

Order no. MN 3707-c.

Summary: How to install liner, piston assembly, cylinder head, and rocker lever assembly in reassembly of the General Motors 16-278A diesel engine.

Borrow from Navy. *Buy from* NF.

Reassembly. Part 2: Head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

27 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)

Order no. MN 3707-d.

Summary: How to install injector and controls; test injector; adjust injector; install valve bridges and rocker shaft; and assemble and time injector and exhaust.

Borrow from Navy. *Buy from* NF.

Reassembly of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 5)

Order no. MN 2364-i.

Summary: Demonstrates how to reassemble and install the cylinder head; explains each operation and the use of proper tools.

Borrow from Navy. *Buy from* NF.

Reassembly of piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 3)

Order no. MN 2364-g.

Summary: Demonstrates proper sequence of steps in reassembling pistons.

Borrow from Navy. *Buy from* NF.

Reassembly of the 8–268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

36 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)

Order no. MN 200-h.

Summary: Demonstrates how to reassemble the General Motors 8-268A diesel engine.

Borrow from Navy. *Buy from* NF.

Reassembly series

see Progressive maintenance on the General Motors 12-567A diesel engines series. Reassembly

Rebuilding with grass (*Motion picture*) U. S. Dept. of Agriculture, 1952.

21 min., sd., color, 16 mm.

Summary: Ranchers in Idaho, Utah, Nevada, and New Mexico tell about their work in reseeding and improving the management of their lands. Shows how eradication of sagebrush and reseeding of worn-out range lands have restored the land.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Reciprocating engine construction (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

65 fr., b&w, 35 mm.

Order no. SCG 176-e, formerly SG 2315.

Summary: Explains the construction of a reciprocating engine, the function of its parts, and the relationship of these parts in operation.

Buy from NF.

Reciprocating pump opening for inspection (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

21 min., sd., b&w, 16 mm. (Shipbuilding skills series. Outside machinist)
Order no. MN 2348–a.
Supplementary filmstrip of same title also available.
Summary: Stresses the importance of care in the disassembly of any type of machinery or engine. Demonstrates, on a vertical simplex reciprocating pump, the proper procedures, marking of parts, use of standard machinist's hand tools, and safety precautions.

Borrow from Navy. *Buy from* NF.

Reciprocating pump opening for inspection (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

34 fr., b&w, 35 mm. (Shipbuilding skills series. Outside machinist)
Order no. SN 2348–m.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Recognition of domestic rodent signs (*Filmstrip*) U. S. Public Health Service, 1952.

58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. F 111.
Summary: Explains where to look for rodent signs and how to identify the various species of rodents by the size and shape of their droppings.
Borrow from PHS.

Recognition of leprosy (*Motion picture*) U. S. Public Health Service, 1959.

13 min., sd., color, 16 mm.
Order no. M 374.
Summary: Illustrates the clinical manifestations of leprosy, using patients from the Public Health Service Hospital at Carville, La.; shows the technique of taking and staining skin scrapings to demonstrate the etiologic agent, *Mycobacterium leprae*, and the technique of taking skin biopsies to determine pathology of peripheral nerves.

Borrow from PHS. *Buy from* NF.

Reconditioning a cultivator (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

14 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 5)
Order no. OE 453.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to replace a worn wheel boxing; adjust yoke; check and adjust shovels; check and lubricate gang expansion and steering assemblies; and lubricate all parts of a cultivator.

Buy from NF.

Reconditioning a cultivator (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

36 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 5)
Order no. OE 453–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Reconditioning a cylinder with a portable boring bar (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

36 min., sd., b&w, 16 mm. (Shipbuilding skills series. Outside machinist)
Order no. MN 2348–b.
Supplementary filmstrip of same title also available.
Summary: Traces a typical boring job to illustrate various checks, adjustments, and alignments required to operate the boring bar; covers types, uses, nomenclature, set-up, and operation of the portable bar while demonstrating the reconditioning of a cylinder.

Borrow from Navy. *Buy from* NF.

Reconditioning a cylinder with a portable boring bar (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

70 fr., b&w, 35 mm. (Shipbuilding skills series. Outside machinist)
Order no. SN 2348–n.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Reconditioning a grain drill (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

31 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 4)
Order no. OE 197.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to inspect and repair a typical grain drill; clean and lubricate the fertilizer and seeding mechanism; repair the disc furrow openers, drive chains, pawl assembly; and calibrate the seeding mechanism.

Buy from NF.

Reconditioning a grain drill (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

35 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 4)
Order no. OE 197–fs.
Supplements motion picture of the same title.
With instructor's manual.

Buy from NF.

Reconditioning a mower. Part 1: Cutter bar (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

21 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 1)
Order no. OE 194.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to repair the sickle; repair and adjust the guards; mount and align the cutter bar; and check the mower's operation.

Buy from NF.

Reconditioning a mower. Part 1: Cutter bar (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

29 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 1)
Order no. OE 194–fs.
Supplements motion picture of the same title.
With instructor's manual.

Buy from NF.

Reconditioning a mower. Part 2: Drive system (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

21 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 2)
Order no. OE 195.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to clean, inspect, lubricate, and replace the wheel assembly; replace a worn wrist pin; disassemble and inspect the gear assembly; check and remove, if worn, flywheel shaft bearings and install new bearings; and lubricate the reconditioned mower.

Buy from NF.

Reconditioning a mower. Part 2: Drive system (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

40 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 2)
Order no. OE 195–fs.
Supplements motion picture of the same title.
With instructor's manual.

Buy from NF.

Reconditioning a two-bottom tractor plow (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.
25 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 3)
Order no. OE 196.
Supplemented by filmstrip of the same title.
With instructor's manual.
Summary: How to check and repair the wheel assemblies and the power lift assembly; recondition the plowshares; adjust the coulter; and check and adjust the furrow wheels in the field.
Buy from NF.

Reconditioning a two-bottom tractor plow (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.
18 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 3)
Order no. OE 196–fs.
Supplements motion picture of the same title.
With instructor's manual.
Buy from NF.

Reconditioning the fuel pump (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Benchwork)
Order no. MN 3708–g.
Summary: How to install seal assembly, diaphragm, copper seal gasket, shim, setting bar, and spacer in the fuel pump.
Borrow from Navy. *Buy from* NF.

Reconstitution of the lung (*Motion picture*) U. S. Veterans Administration, 1956.
11 min., sd., color, 16 mm.
Summary: Shows representative segmental and bisegmental resections in the right or left upper lobes; illustrates the manner in which the resulting defect is repaired or reconstituted; describes various operative situations which may be encountered; and discusses the method of reconstitution.
Borrow from VA.

Reconstruction of the lower lip and chin (*Motion picture*) U. S. Dept. of the Army, 1947.
20 min., sd., color, 16 mm.
Order no. PMF 5075.
Summary: Demonstrates the methods used in a reconstruction of the lower lip and chin, showing all phases of restoration in a case in which two-thirds of the lower lip, chin, and mandible were destroyed by shell fragments. For medical personnel.
Borrow from Army.

Recreation and athletics in the Navy (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
Order no. MN 6620.
Summary: Emphasizes importance of physical training in the U. S. Navy and demonstrates types of training that may be practiced by the individual for recreation.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Recreation areas (*Motion picture*) U. S. Dept. of Agriculture, 1962.
3 min., sd., color, 16 mm.
Summary: Shows what some rural areas are doing to satisfy the need for more recreation areas.
Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Recreation center operation (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
13 min., sd., b&w, 16 mm.
Order no. MF 12–7841.
Summary: Shows and explains the operation and activities of a U. S. Army recreation center.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Recreation leadership (*Motion picture*) U. S. Dept. of the Army, 1953.
23 min., sd., b&w, 16 mm.
Order no. TF 12–1808.
Summary: Portrays the procedures used by an Army captain in developing a recreational program for a newly formed company.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Recreational and occupational therapy (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
13 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 415.
With instructor's manual. Supplemented by filmstrip of the same title.
Summary: Recreational and occupational activities fitted to the patient's condition: passive diversion during an immobile state; limited physical activities carried on in bed; individualized occupational therapy; and social recreation projects.
Buy from NF.

Recreational and occupational therapy (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
35 fr., b&w, 35 mm. (Nursing series)
Order no. OE 415–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Rectangular coordinates (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.
13 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540–m.
Summary: Demonstrates how to use coordinates in solving problems involving time and distance, and how to locate a point using two coordinates.
Borrow from Navy. *Buy from* NF.

Rectificación de una perforación cilíndrica (*Motion picture*) U. S. Office of Education [1959?]
18 min., sd., b&w, 16 mm.
Order no. OE 77–Sp.
Spanish version of the 1944 motion picture entitled Grinding a straight hole.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Shows how to use a universal chuck, select the proper grinding wheel and adjust the wheel speed, set the length of the stroke, set the cross-feed for automatic grinding, and use the precision cross-feed for finish grinding.
Buy from NF.

The red bull attacks: 34th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.
21 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 130–7555.
Summary: Traces the history of the 34th Infantry Division back to the Minnesota Volunteers in the Civil War, and recounts the action of the Division in World Wars I and II.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Red China and the United Nations (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
30 min., sd., b&w, 16 mm.
Order no. OC 4.
Summary: Henry Cabot Lodge, Jr., U. S. Ambassador to the United Nations, explains briefly to an officers' conference the changes that have transpired in the UN mission from 1945 to the present, and the current policy of the U. S. towards admitting Red China to the UN, and answers questions concerning Red China and its possible admission to the United Nations.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Redesigning a pattern for production purposes (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
11 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 336.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How a pattern originally designed for casting a single piece is redesigned for quantity production.
Buy from NF.

Redesigning a pattern for production purposes (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
32 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 336-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Redesigning a pattern for production purposes
see also
Reprise de l'étude d'un modèle pour fin de production en série

Reds launch spring offensive (*Motion picture*) U. S. Dept. of Defense, 1951.
15 min., sd., b&w, 16 mm.
Order no. CB 110.
Summary: Military operations in Korea from April 20 to May 20, 1951.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Reduced voltage starters (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
23 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 3)
Order no. OE 390.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Principle of the transformer; operation of a manual starting compensator, thermal overload relay, and automatic starting compensator.
Buy from NF.

Reduced voltage starters (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
46 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 3)
Order no. OE 390-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Reduction of radio interference: Shipboard installation practices (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.
13 min., sd., b&w, 16 mm.
Order no. MN 6926-b.
Summary: Shows how poor installation practices contribute to radio interference and how good installation practices can eliminate such interference.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Refrigerated food storage principles (*Filmstrip*) U. S. Public Health Service, 1951.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Food handling series, no. 2)
Order no. F 21-b.
Summary: Explains the principles of refrigerated storage of foods and shows methods of storing foods in a refrigerator.
Borrow from PHS. *Buy from* NF.

Refrigeration service series. Commercial systems
see
Adjusting & repairing the thermo expansion valve
Adjusting commercial thermostatic controls
Adjusting pressure actuated temperature control devices
Making and repairing tubing connections
Servicing water-cooled condensers

Refrigeration service series. Domestic units
see
Adding or removing refrigerant
Adjusting and checking the expansion valve
Checking and replacing a float valve
Checking the electrical system
Checking the system. Part 1: General procedure
Checking the system. Part 2: Trouble shooting
Locating and repairing leaks
Quieting a noisy refrigerator
Removing and installing a compressor or condenser
Removing and installing a cooling unit

Refuse disposal by sanitary landfills (*Motion picture*) U. S. Public Health Service, 1956.
13 min., sd., color, 16 mm.
Order no. M 228.
Summary: Describes faults of disposal methods such as open dumps, and compares the vector-borne disease and nuisance hazards of these methods to those of landfills. Shows how to select a site, types of equipment used, how to construct a landfill, different types of operating procedures, and over-all contributions of sanitary landfills to public health.
Borrow from PHS. *Buy from* NF.

Regando la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Spanish version of Water on the land.
Summary: Explains the values of irrigation in farming and demonstrates some simple irrigation methods.
Buy from NF. *Cleared for tv.*

Regeneration (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
23 fr., b&w, 35 mm.
Order no. SN 655.
Summary: Describes the principles involved in setting up a regenerative circuit and explains its effects and their control.
Borrow from Navy. *Buy from* NF.

La regla de acero (*Motion picture*) U. S. Office of Education [1959?]
14 min., sd., b&w, 16 mm.
Order no. OE 1-Sp.
Spanish version of the 1941 motion picture entitled The steel rule.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Explains how to read steel rules, use flexible hook and rule-type gages, lay out holes with a combination square and scribe them with a divider, and use inside and outside calipers to transfer dimensions to and from steel rules.
Buy from NF.

Rehabilitation of chronic neurological cases (*Motion picture*) U. S. Veterans Administration, 1947.
20 min., sd., b&w, 16 mm.
Summary: Explains the rehabilitation program at the Veterans Administration Hospital in Minneapolis by following a patient through the entire rehabilitation course and observing the development and characteristics of the program. Primarily for professional and administrative groups.
Borrow from VA.

Rehabilitation of military prisoners (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.
34 min., sd., b&w, 16 mm.
Order no. TF 19-1608.
Summary: Through the dramatized story of a young soldier who has committed a military offense and is sentenced to confinement at a U. S. disciplinary barracks, explains the principles of modern penology, the program of the U. S. Army for rehabilitation of military prisoners, the routine of disciplinary barracks administration, and the technique of custodial control in a disciplinary barracks.
Borrow from Army.

Rehabilitation of the blind (*Motion picture*) U. S. Dept. of State, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
Summary: Pictures processes used in the United States in rehabilitation of the blind, including eating and direction training, emphasis upon other senses, training for trades and occupations, and the importance of psychological adjustment by the blind. Prepared for overseas use.
Buy from NF.

Rehabilitation: Voyage to recovery (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Roland Reed Productions. Released for public educational use through U. S. Office of Education, 1948.
31 min., sd., color, 16 mm.
Order no. MN 4330-a.
Also known as Voyage to recovery.
Summary: Explains how medical officers, nurses, hospital corpsmen, chaplains, and the Red Cross work together in the Navy's rehabilitation program.
Borrow from Navy. *Buy from* NF.

Reinforced plastics: Inspection and quality control (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.
20 min., sd., color, 16 mm.
Order no. MN 8597-b.
Summary: Demonstrates inspection procedures, showing examples of various common defects and procedures leading to final acceptance of the finished parts by naval inspectors.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reinforced plastics, introduction (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.
20 min., sd., b&w, 16 mm.
Order no. MN 8597-a.
Summary: Explains in general the nature of reinforced plastics and their composition and fabrication.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reinforced plastics: Repair of single skin failures (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.
19 min., sd., b&w, 16 mm.
Order no. MN 8597-c.
Summary: Demonstrates methods of repairing single skin reinforced plastic parts, with illustrations of different kinds of damage.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reinforced rifle company in the attack (*Motion picture*) U. S. Dept. of the Army, 1960.
35 min., sd., b&w, 16 mm.
Order no. TF 7-2969
Summary: Depicts the tactics and weapons employed by a reinforced rifle company during a battle group advance, emphasizing that the infantryman's importance and basic mission remain unchanged in the face of new concepts and nuclear weapons of modern warfare.
Borrow from Army.

The reinforced rifle platoon in the attack of a built up area. Part 2: The attack (*Motion picture*) U. S. Dept. of the Army, 1954.
35 min., sd., b&w, 16 mm.
Order no. TF 7-1642.
Summary: Demonstrates the tactical planning, preparation, and execution of an attack on an enemy-held town by a reinforced rifle platoon.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Relaciones entre supervisores (*Motion picture*) U. S. Office of Education ₍1959?₎
8 min., sd., b&w, 16 mm.
Order no. OE 153-Sp.
Spanish version of the 1944 motion picture entitled Working with other supervisors.
Summary: Shows how a supervisor fails because he does not recognize the importance of working harmoniously with other people, particularly with his fellow supervisors.
Buy from NF.

Relative movement. Part 1: Relative movement and interception (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
14 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-y.
Summary: Shows the basic principles of relative movement and interception between planes and ships, the angle between the relative motion line and the ship's course, relation between speed and direction, and how to plot course and determine the time of arrival of plane and ship.
Borrow from Navy. *Buy from* NF.

Relative movement. Part 2: Out and in search, relative wind (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
13 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-z.
Summary: Covers relative movement, computing time speed when leaving and returning to carrier, searching on a relative bearing to a carrier, and relative wind.
Borrow from Navy. *Buy from* NF.

Relative movement. Part 3: Geographic sector search, relative sector (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
16 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-aa.
Summary: Uses animation, geographic plot, and vector diagrams to explain a relative sector search and geographic sector search from a carrier.
Borrow from Navy. *Buy from* NF.

Reliability engineering: Reliability testing (*Motion picture*) U. S. Dept. of the Navy, 1961.
30 min., sd., color, 16 mm.
Order no. MN 8770-d.
Summary: Presents advanced methods and techniques of reliability analysis. One of the more critical system reliability problems is drawn out for detailed study by comparing observed and theoretical frequency distributions. Regression techniques, design "improvement" analysis, and the Monte Carlo technique are demonstrated.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reliability: Fundamental concepts, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1961.
30 min., sd., color, 16 mm.
Order no. MN 8770-a.
Summary: Discusses the fundamental principles of reliability on which engineering practice is based. Attention is given to the concepts of reliability function, exponential reliability function, failure rate, and mean-time-between-failures.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reliability: Fundamental concepts, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1961.

27 min., sd., color, 16 mm.
Order no. MN 8770–b.
Summary: Explains additional reliability concepts with the introduction of simple probability combinations demonstrated by combining the reliability functions of the various components with the reliability function of the complete weapon, thus deriving a system reliability function.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reliability: Statistical concepts (*Motion picture*) U. S. Dept. of the Navy, 1961.

25 min., sd., color, 16 mm.
Order no. MN 8770–c.
Summary: Describes reliability engineering methods and demonstrates the basic concepts on which the analytical methods are based, using examples drawn from actual reliability studies. Probability theory is treated in further detail in connection with its application to reliability prediction.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Remote maintenance of molten salt reactors (*Motion picture*) U. S. Atomic Energy Commission, 1960.

20 min., sd., color, 16 mm.
Summary: Illustrates the arrangement of a mock-up fluid-fuel reactor system approximately 20 Mw(t) in size and the remote operation of specialized equipment utilized to maintain reactor components.

Borrow from AEC. *Buy from* CP. *Cleared for tv.*

Remote repair and modification of the HRE–2 core vessel (*Motion picture*) U. S. Atomic Energy Commission, 1961.

20 min., sd., color, 16 mm.
Summary: Illustrates the remote repair and modification of the homogeneous reactor experiment no. 2 (HRE–2) core vessel following the formation of two holes that permitted the transfer of fuel to the blanket side of the reactor.

Borrow from AEC. *Buy from* CP. *Cleared for tv.*

Removal and replacement of main bearings (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–d.
Summary: Demonstrates how to remove and replace upper and lower main bearings; and clean, inspect, and measure bearing shells.
Borrow from Navy. *Buy from* NF.

Removal of an impacted mandibular third molar by controlled sectioning (*Motion picture*) U. S. Dept. of the Army, 1952.
10 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no PMF 5189.
Summary: Presents the technique utilizing a bur and flat blade elevator for controlled sectioning of impacted teeth as demonstrated on a simple mesio-angular lower third molar. Step by step X-rays illustrate the principles involved. For dental personnel.
Borrow from Army.

Removal of cylinder liner (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
27 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–j.
Summary: How to remove liner, including various connections and lines, timing mechanism, connecting rods, and upper crankshaft.
Borrow from Navy. *Buy from* NF.

Removal of injection nozzles (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public education use through U. S. Office of Education, 1948.
5 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–b.
Summary: Demonstrates how to remove injection nozzles, cylinder relief valve, indicator cock, and the air start check valve.
Borrow from Navy.

Removal of intraocular foreign bodies (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., color, 16 mm. (Eye surgery series)
Order no. MN 2477–b.
Summary: Shows how to locate and operate to remove metallic and nonmetallic bodies from the eye. For medical personnel.
Borrow from Navy. *Buy from* NF.

Removal of magnetic foreign bodies from the eye (*Motion picture*) U. S. War Dept., 1946.
14 min., si., color, 16 mm.
Order no. PMF 5020.
Summary: Demonstrates techniques in removing magnetic foreign bodies from the eye. Portrays the handling of a detached retina case. For medical personnel.
Borrow from Army.

Removal of pistons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–c.
Summary: Demonstrates how to disconnect and remove both upper and lower pistons.
Borrow from Navy. *Buy from* NF.

Removing a section of piping aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)
Order no. MN 2337–a.
Summary: Explains the purpose of the piping system; shows how to remove a section of pipe aboard ship; and defines outside diameter, pitch diameter, pitch cord, bleeding point, and backing-off.
Borrow from Navy. *Buy from* NF.

Removing and inspecting cylinders (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
18 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 262.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to remove the cylinder assemblies from the engine; disassemble the cylinder assemblies; and clean, inspect, and recondition the cylinders.
Buy from NF.

Removing and inspecting cylinders (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
44 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 262–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Removing and installing a compressor or condenser (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 5)

Order no. OE 442.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to evacuate and remove a compressor in a domestic refrigerator; evacuate a stuck compressor; install the compressor; and remove and install a condenser.

Buy from NF.

Removing and installing a compressor or condenser (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

42 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 5)

Order no. OE 442–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Removing and installing a cooling unit (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

19 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 6)

Order no. OE 443.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Common cooling unit disorders in a domestic refrigerator; how to evacuate valved evaporators; remove an oil-logged evaporator; install the evaporator; and install a direct expansion cooling unit.

Buy from NF.

Removing and installing a cooling unit (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

32 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 6)

Order no. OE 443–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Removing and replacing balance wheel screws (*Motion picture*) U. S. Veterans Administration, 1949.

5 min., sd., b&w, 16 mm. (Light mechanics series, no. 7)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Shows how to place a balance wheel in a block, loosen and remove the screws, hold and steady the balance wheel, and clean and dry the balance wheel.

Borrow from VA. *Buy from* NF.

Removing defective rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

15 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 6)

Order no. OE 141.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How an inspector marks defective rivets; how to drill the heads of flush-type and brazier head rivets; and remove the shank and head after drilling.

Buy from NF.

Removing defective rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

53 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 6)

Order no. OE 141–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Repainting a frame building (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

18 min., sd., b&w, 16 mm. (Farm work series. Painting, no. 1)

Order no. OE 460.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to prepare a building for painting; set up staging; prepare paint; apply the prime and second coats; and care for brushes, paint, and equipment.

Buy from NF.

Repainting a frame building (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

44 fr., b&w, 35 mm. (Farm work series. Painting, no. 1)

Order no. OE 460–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The repair of femoral hernia (*Motion picture*) U. S. Veterans Administration, 1956.

14 min., sd., color, 16 mm.

Summary: Explains that high ligation of the peritoneal sac is one of the fundamental principles of sound hernia repair; that when repairing femoral hernia by the inguinal approach, high ligation can best be accomplished by first opening the small peritoneal diverticulum always present at the internal ring and then mobilizing the entire sac into this area lateral to the deep inferior epigastric vessel; that this maneuver facilitates the separation of properitoneal fat from the hernia sac and insures a clean, high ligation; that repair is then accomplished by approximating the transversalis fascia to Cooper's ligament and laterally to the femoral sheath; and that closure of the femoral ring by suturing the medial end of the inguinal ligament to the pectineal fascia may or may not be done in individual cases.

Borrow from VA.

Repair of recto-urethral fistula (*Motion picture*) U. S. Dept. of the Army, 1947.

8 min., sd., color, 16 mm.

Order no. PMF 5068.

Summary: Portrays a case with injury to the large and small intestine, the bladder, urethra, and rectum, caused by bullet wounds. Shows exploratory laparotomy scar, cystotomy, colostomy, and abdominal fistula wounds. Features closure of complete fistula by use of the Whitehead principle of advancement of the rectum. For medical personnel.

Borrow from Army.

Repair of the radial nerve in the distal one-third of the arm (*Motion picture*) U. S. Veterans Administration, 1961.

12 min., sd., color, 16 mm.

Summary: Demonstrates a complete lesion of the radial nerve in the lower one-third of the arm, the surgical exploration and suture, and the clinical result.

Borrow from VA. *Buy from* NF.

Repairing a wooden rib (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

24 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 247.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to remove gussets and broken rib parts; splice a section of cap strip; cut and finish a scarf joint; make a new truss member; and make and assemble gussets and reinforcement plates.

Buy from NF.

Repairing a wooden rib (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

42 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 247–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Repairing aircraft tires (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
29 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 254.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to inspect an airplane tire; remove the tire; remove the tube from the tire; vulcanize the tube; repair a cut in the tire; and reinstall the wheel.

Buy from NF.

Repairing aircraft tires (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
50 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 254–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Repairing and relining mechanical brakes (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
21 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 256.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check brake action; remove wheel and inspect brakes; disassemble wheel and remove brake lining; install new brake lining; replace brake cables; and adjust brakes.

Buy from NF.

Repairing and relining mechanical brakes (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
54 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 256–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Repairing structural tubing (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
20 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 253.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to straighten a bent tube; round out a tube; remove a damaged section of tube; prepare a replacement section; prepare internal reinforcing sleeves; and assemble and weld the replacement section and sleeves.

Buy from NF.

Repairing structural tubing (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
47 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 253–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Replacement of abdominal aorta with homotransplant (*Motion picture*) U. S. Veterans Administration, 1956.
28 min., sd., color, 16 mm.
Summary: Illustrates the operative technique of resection of the terminal aorta with its bifurcation, and replacement with homogenous aortic transplant, in cases of aneurysm of abdominal aorta and for occlusive disease of the terminal aorta and the iliac arteries.

Borrow from VA. Buy from NF.

Replacement of cylinder liner (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
26 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–k.
Summary: How to replace cylinder liner, including upper crankshaft, connecting rods, timing mechanism, and various connections and lines.

Borrow from Navy. Buy from NF.

Replacement of injection nozzles (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
6 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–f.
Summary: Demonstrates how to replace injection nozzles, cylinder relief valve and indicator cock, and the air start valve.

Borrow from Navy. Buy from NF.

Replacement of pistons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–e.
Summary: Demonstrates how to replace and connect both upper and lower pistons.

Borrow from Navy. Buy from NF.

Report from America series
see
Air traffic
Automation
Farming
Home buying
How America shops
Immigrants
Old age: A generation of elders
Presidential conventions
Problems of leisure
Railroads
Roads and traffic
Small town newspaper
Smog: The Pittsburgh story
State capital

Report of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1954.
20 min., sd., color, 16 mm.
Order no. MN 7866.
Summary: Report of U. S. Navy operations during 1953–54 including combat scenes in the Korean War.

Borrow from Navy. Buy from NF. Cleared for tv.

Report on Aberdeen Proving Ground (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. RTAF 143.
Summary: Illustrates the tests and experiments made on new military weapons at Aberdeen Proving Ground, Maryland. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army. Cleared for tv.

A report to the Nation (*Motion picture*) U. S. Public Health Service and the American Heart Association, 1960. Made by Potomac Film Producers.

29 min., sd., b&w, 16 mm.
Order no. MIS 538.
Summary: Presents highlights of a meeting where six scientists discuss gains made in diagnosis, prevention, and treatment of heart disease during the past ten years.
Borrow from PHS.

Reprise de l'étude d'un modèle pour fin de production en série (*Motion picture*) U. S. Office of Education, 1955.
11 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 336–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Redesigning a pattern for production purposes.

Buy from NF.

Reproducers (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.
29 fr., b&w, 35 mm.
Order no. SN 654.
Summary: Reviews principles of electromagnetism and applies them to reproducers. Shows schematic make-up and operation of simple head phone and dynamic type loudspeakers.
Borrow from Navy. *Buy from* NF.

Republicans strengthen the Nation at home and abroad
see American history I, lecture 8: Republicans strengthen the Nation at home and abroad

Repulsion-induction motor: General overhaul (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
25 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 6)
Order no. OE 397.
With instructor's manual. Supplements motion picture of same title.
Summary: How to check a repulsion-induction motor for electrical and mechanical faults; dismantle it; remove a damaged coil; wind and insulate a new coil; and assemble and lubricate the motor.
Buy from NF.

Repulsion-induction motor: General overhaul (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
33 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 6)
Order no. OE 397–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Repulsion motor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
11 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 5)
Order no. OE 387.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Explains construction of repulsion motor; rotor circuits and effect of brush position; short-circuiting and brush-lifting mechanism; and applications of repulsion motors.
Buy from NF.

Repulsion motor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
40 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 5)
Order no. OE 387–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Rescue operations; lifting devices, shoring
see ABC warfare defense ashore: Rescue operations; lifting devices, shoring

Rescue operations; rigging, breaching walls, tunneling
see ABC warfare defense ashore: Rescue operations; rigging, breaching walls, tunneling

Rescue squad (*Motion picture*) U. S. Dept. of State, 1952. Made by Bay State Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.
15 min., sd., b&w, 16 mm.
Summary: Describes the work of a volunteer rescue squad ready at all times to render emergency assistance and first aid in case of accidents or disasters in the area. Shows some of the skills required of squad members and the squad at work at various types of emergencies. Prepared for overseas use.
Buy from NF.

Research for better living
see
Better living through research

Research for tomorrow's aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.
16 min., sd., color, 16 mm.
Summary: Visualizes and explains some of the research conducted by the NACA, in cooperation with the U. S. Dept. of Defense and aircraft and engine manufacturers. Includes sequences showing flight and wind tunnel research on high-speed airplanes, ramjet and turbojet engines, and aerodynamic heating.
Borrow from NASA.

Research into controlled fusion (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Army Pictorial Center.
55 min., sd., color, 16 mm.
Summary: A technical progress report of the fusion research programs sponsored by the U. S. Atomic Energy Commission at Princeton University, Oak Ridge National Laboratory, Los Alamos Scientific Laboratory, and the University of California Radiation Laboratory. Outlines the principal problems in controlled fusion. Shows and describes research devices, including the various pinch, mirror, rotating plasma, DCX, and Stellarator machines.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Research reactor safety device (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1958.
12 min., sd., color, 16 mm.
Summary: Describes the safety device developed by Atomics International to shut down a reactor automatically in case of sudden abnormal operation.
Borrow from AEC. *Buy from* CFL. *Cleared for tv.*

Research reactors—USA (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Lytle Corp.
38 min., sd., color, 16 mm.
Summary: Uses live action and animation to present a summary of the major types of research reactors—swimming pool, tank, water boiler, and graphite moderated—with descriptions of their uses in research, industry, chemistry, physics, metallurgy, biology, and medicine.
Borrow from AEC. *Buy from* Byron.

Resection of mandible for ameloblastoma (*Motion picture*) U. S. Veterans Administration, 1955.
22 min., si. at sd. speed, color, 16 mm.
Summary: Shows a hemimandibulectomy for the treatment of a recurrent ameloblastoma. Points out that a previously constructed vitallium prosthesis, replacing the condyle, the ascending ramus, and the body of the mandible from the right second molar to the angle, was used to preserve symmetry and function of the jaw.
Borrow from VA.

Reserve fleet activation, introduction (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Meridian Films Corp.
14 min., sd., b&w, 16 mm.
Order no. MN 6725–a.
Summary: An overall view of the procedure for activation of a U. S. Navy ship using a destroyer as an example. Shows the organization of the activation instruction (A/I) team and the activation details (A/D) team.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Reserve management in action (*Motion picture*) U. S. Dept. of the Air Force, 1959.
21 min., sd., color, 16 mm.
Order no. SFP 590.
Summary: Shows various ways in which management planning is effective in keeping the Air Reserve forces ready for combat.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

The reserve team (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

Order no. AFSR 108.

Summary: Stresses the need for a trained reserve force for defense; and explains how the Army is developing auxiliary defense organizations such as the National Guard, Organized Reserve Corps, Air Reserve Corps, and Reserve Officers Training Corps.

Borrow from Army. *Buy from* NF.

Reservoirs of recreation (*Motion picture*) U. S. Army Engineers, 1959.

18 min., sd., color, 16 mm.

Summary: Describes the increasing use of the recreational areas around Corps of Engineers reservoirs in the Missouri River Division.

Borrow from Eng. *Cleared for tv.*

Resist (*Motion picture*) U. S. Dept. of the Army, 1959.

29 min., sd., b&w, 16 mm.

Order no. TF 30–2562.

Summary: Explains to military personnel the methods used by the enemy to indoctrinate POW's and the ways in which the captured soldier can resist communist collaboration. Point out ways in which the security-minded prisoner can resist efforts to make him betray himself, his comrades, and his country. Based on actual experiences of a prisoner of war in Korea.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Resistance welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

12 min., sd., b&w, 16 mm. (How to weld aluminum series)

Order no. 222.

Summary: Shows aluminum welds made under heat and pressure; two types of spot-welding machines; the use of carbon electrodes in high-speed resistance welding; tests for checking the size and strength of welds; and examples of sound and unsound welds.

Borrow from BM. *Cleared for tv.*

Resistive exercises in physical therapy for thoracoplasty (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

26 min., sd., color, 16 mm.

Summary: Explains how the skeletal structure and muscle balance are affected by thoracic surgery; describes the deformities often resulting from thoracic surgery; and shows how such deformities can be minimized or corrected by posture, over-correction, and resistive exercises. For medical personnel.

Borrow from VA. *Buy from* NF.

Respiration and circulation (*Motion picture*) U. S. Dept. of the Air Force, 1960.

30 min., sd., color, 16 mm.

Order no. TF 1–8187.

Summary: Demonstrates the mechanism of breathing and the operation of the circulatory system; provides a basis for understanding the respiratory and circulatory systems of the body as they are related to the physiological problems of flight.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Respiratory reflexes demonstrated in the rabbit (*Motion picture*) U. S. Dept. of the Army, 1949.

13 min., sd., color, 16 mm.

Order no. PMF 5112.

Summary: Demonstrates some of the simpler respiratory reflexes and their pathways in the rabbit.

Borrow from Army.

Restless river (*Motion picture*) U. S. Army Engineers, 1957.

20 min., sd., color, 16 mm.

Summary: Presents the reasons for channel stabilization works on the Lower Mississippi River, the many methods attempted in the past, and operations used today in placing a flexible concrete mattress at troublesome spots on the banks of the river.

Borrow from Eng. *Cleared for tv.*

Restoration of the NRX reactor (*Motion picture*) U. S. Atomic Energy Commission and Atomic Energy of Canada, Chalk River, Ont., 1959. Made by U. S. Dept. of Agriculture.

23 min., sd., b&w, 16 mm.

Summary: Describes the 14-month repair and restoration of the NRX reactor at Chalk River, Ontario, following a rapid superoperational power level excursion and discusses the 1959 safety system of the 40–Mw reactor.

Borrow from AEC. *Buy from* DA–MPS. *Cleared for tv.*

Resuscitative care of the severely wounded (*Motion picture*) U. S. Dept. of the Army, 1957.

24 min., sd., color, 16 mm.

Order no. TF 8–2198.

Summary: Describes first aid procedures and corrective surgery to revive severely wounded patients and to counteract injurious results of a wound. Includes arrest of hemorrhage; splinting of fractures; infusion of plasma; alleviation of pain, anxiety, and fear; transportation of wounded; careful pre-operative preparation; expeditious surgery; and diligent post-operative care.

Borrow from Army. *Buy from* NF.

Retailing fish (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

21 min., sd., color, 16 mm.

Summary: Shows and explains the layout and operation of a retail fish store, including the selection, handling, display, and selling of fresh and frozen fish.

Borrow from FWS. *Buy from* NF.

Retailing prepackaged produce (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

42 fr., b&w, 35 mm.

Order no. 691.

With lecture notes.

Summary: Shows methods used by retailers in handling, displaying, and merchandising prepackaged fruits and vegetables.

Buy from PhotoLab.

The return of the zipper fleet (*Motion picture*) U. S. Dept. of Defense, 1951.

17 min., sd., b&w, 16 mm.

Order no. AFSR 137.

Summary: Shows the reactivation and return to duty of vessels in the U. S. Navy's "mothball" fleet following the Communist invasion of South Korea.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Revision and reamputation of the lower extremity (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

29 min., sd., color, 16 mm. (Amputations series, no. 2)

Order no. MN 3429–b.

Summary: Demonstrates a Syme amputation; lower leg reamputation at the site of fracture; Strokes-Gritti amputation; and a revision and a secondary closure. For medical personnel.

Borrow from Navy. *Buy from* NF.

Revolt of a generation (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News.

20 min., sd., b&w, 16 mm. (Our times, no. 29)

Summary: Recounts the story of the Hungarian people from the imposition of Communist Party rule in 1948 through the 1956 revolt and Soviet intervention and repression. Shows demonstrations throughout the world condemning Soviet repression, and the exodus of refugees over the Austrian border. Prepared for overseas use.

Buy from NF.

Rhythm, speed, and accuracy in hand sending (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

12 min., sd., b&w, 16 mm. (Radio operator training series)

Order no. MN 2621–c.

Summary: Discusses sequence in rhythm and timing; points out that clear, distinct sending is essential in order to assure proper receiving at destination; compares several senders' ability by means of the recording tape.

Borrow from Navy. *Buy from* NF.

Rickettsia—laboratory procedure for their isolation and identification (*Motion picture*) U. S. Dept. of the Army, 1949.
47 min., sd., color, 16 mm.
Order no. PMF 5114.
Summary: Shows the step-by-step technique of laboratory diagnosis of rickettsial disease; compares gross pathology with normal pathology; emphasizes fundamentals of sterile technique in the handling of infected laboratory animals.
Borrow from Army.

Rigging blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)
Order no. MN 2340–h.
Supplementary filmstrip of same title also available.
Summary: Shows operation of tackle pulleys—whip, gun, luff, and two-fold purchase; and explains how mechanical advantage is obtained.
Borrow from Navy. *Buy from* NF.

Rigging blocks (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
57 fr., b&w, 35 mm. (Shipbuilding skills series. Rigging)
Order no. SN 2340–u.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

Rigging changes after flight (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
43 fr., b&w, 35 mm.
Order no. SN 1999.
Summary: Shows construction faults revealed by test flights; tail, wings, and nose heaviness; yawing; ground looping; and how to make corrections.
Borrow from Navy. *Buy from* NF.

Rigging series
see Shipbuilding skills series. Rigging

Right of way (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
7 min., sd., b&w, 16 mm.
Summary: Follows a troop train, a freight train, and a truck rushing to deliver men and supplies to a ship convoy in 1943; explains the reasons for transportation shortages in wartime.
Buy from NF.

Rigid and swinging staging (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)
Order no. MN 2340–c.
Summary: Shows how to set up rigid staging, use A-frame stage and extension, double boards overlapped, and a life line; how to rig swinging staging, using single width boards and life-lines; and how to take down staging and stow it.
Borrow from Navy. *Buy from* NF.

Rigid medullary fixation of forearm fractures (*Motion picture*) U. S. Dept. of the Army, 1961.
16 min., sd., color, 16 mm.
Order no. PMF 5340.
Summary: Describes the principles, technique, and advantages of rigid medullary fixation of forearm fractures. Uses animation to explain basic concepts on which the technique is based, demonstrates the surgical procedure on a patient with forearm fractures of the radius and ulna bones, and describes a post surgical program to develop the functional use of the extremity.
Borrow from Army. *Buy from* NF.

Rinderpest (*Motion picture*) U. S. Dept. of Agriculture in collaboration with the Federal Civil Defense Administration and the Dept. of Defense, 1955.
18 min., sd., color, 16 mm.
Summary: A technical picture, designed for veterinarian training, describing the history and geographical distribution of rinderpest in cattle, sheep, and goats. Shows the lesions and pathological changes of organs and tissues affected, and outlines measures used to prevent its introduction into this country.
Rent from DA film libraries. *Cleared for tv.*

Ring of steel (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
Summary: Historical summary and tribute to American soldiers from 1776 to 1942, forging a "ring of steel" around American democracy.
Buy from NF.

Ring of steel
see also
Citizen in arms

Rio de Janeiro (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1945. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
Summary: Tourist view of the city of Rio de Janeiro.
Buy from NF.

Riot control formations. Part 1: Squad formations (*Motion picture*) U. S. Dept. of the Army, 1957.
12 min., sd., b&w, 16 mm.
Order no. GF 19-30.
Summary: Explains that riot control formations are used to restore law and order and protect life and property. Demonstrates the wedge—to penetrate and split a crowd or mob; the echelon—to turn a mob; and the line—to hold a mob, push it back, or deny it access to an area. Designed for training military police personnel.
Borrow from Army.

Riot control formations. Part 3: Vehicles and foot troops (*Motion picture*) U. S. Dept. of the Army, 1958.
12 min., sd., b&w, 16 mm.
Order no. GF 19-32.
Summary: Describes the composition of riot control formations, their modifications when employing vehicles and troops against crowds and rioting mobs, and the protective measures and limitations to be considered.
Borrow from Army.

Ripping and cross-cutting (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. Precision wood machining series. Operations on the variety saw, no. 1)
Order no. OE 306.
Supplemented by filmstrip with same title.
With instructor's manual.
Summary: How each working part of the variety saw functions; how to check saw blades; set the fence; change saw blades; use a cutoff gage; and use a hinged block in crosscutting.
Buy from NF.

Ripping and cross-cutting (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
43 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 1)
Order no. OE 306–fs.
Supplements the motion picture of the same title.
With instructor's manual.
Buy from NF.

Ripping and cross-cutting
see also
Cortes en madera con la sierra mecanica
Sciage sur le long et sciage sur le travers

The rise and fall of the Medfly (*Motion picture*) U. S. Dept. of Agriculture, 1958.
15 min., sd., color, 16 mm.
Summary: Dramatic presentation of a successful 19-month campaign to eradicate the Mediterranean fruit fly—the world's worst pest of citrus—found in Florida in 1956.
Rent from DA film libraries. *Buy from* DA.

The rise of modern industrial America
see
American history I, lecture 18: The rise of modern industrial America
American history II, lecture 3: The rise of modern industrial America

The river (*Motion picture*) U. S. Dept. of Agriculture, 1939. Made by Pare Lorentz.
32 min., sd., b&w, 16 mm.
Summary: A documentary story of the Mississippi River. Traces the history of the Mississippi River and its tributaries; shows that the destruction of forests had led to erosion and the loss of soil, floods, and the loss of lives and property; and emphasizes the need for conservation and rehabilitation.
Rent from DA Film Libraries. *Buy from* NF.

River run (*Motion picture*) U. S. Dept. of Agriculture, 1951.
16 min., sd., color, 16 mm.
Summary: Shows the values of proper management of privately-owned forests, illustrated particularly by the continued productivity of the forests of the Machias River watershed in Maine, culminating each year in a log drive down the Machias River.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

River with a future (*Motion picture*) U. S. Army Engineers, 1959.
14 min., sd., color, 16 mm.
Summary: Outlines the problems, present progress in solving those problems, and future possibilities of the comprehensive development of the Arkansas River. Animation is used to depict historical background and to locate various units of the projects.
Borrow from Eng.

Rivers in miniature (*Motion picture*) U. S. Army Engineers, 1954.
14 min., sd., color, 16 mm.
Summary: An account of the model of the Mississippi Basin, constructed by the Waterways Experiment Station near Jackson, Miss. Explains the part the model plays in coordinating various aspects of the Corps of Engineers program for development and control of water resources in the midcontinent. Shows the part the model played during the 1952 flood of the Missouri River by predicting accurately the crest stages which could be expected, thus enabling the establishment of appropriate measures for protection or evacuation.
Borrow from Eng. *Cleared for tv.*

The road back (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.
23 min., sd., b&w, 16 mm. (The home nursing story, no. 7)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses self-help and its role in rehabilitation. Explains the work of the home nurse in the rehabilitation of the sick and injured.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

Road construction and maintenance in CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. FB 5-182.
Summary: Shows how U. S. Engineers overcame many obstacles in building roads over high mountains and through dense jungles in the China-Burma-India theater of operations during World War II.
Borrow from Army. *Buy from* NF.

Road expedients (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm. (Military roads series, no. 1)
Order no. TF 5-1196.
Summary: Demonstrates expedient methods of road construction in marshy and sandy soils; and shows the use of corduroy, wire mesh, and other materials in road construction.
Borrow from Army. *Buy from* NF.

Road to decision (*Motion picture*) U. S. Veterans Administration, 1947.
30 min., sd., b&w, 16 mm.
Summary: Explains to disabled veterans the purpose, function, and value of the vocational counseling services of the Veterans Administration.
Borrow from VA.

Road to decision
see also
Day for decision

Road to peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Bill Sturm Studios. Released for public educational use through U. S. Office of Education, 1952.
9 min., sd., b&w, 16 mm.
Summary: Explains that the people of the East stand at a crossroads with one of two paths to follow—peace or war—and that the road to peace lies in the program of the United Nations. Prepared for use in occupied areas, particularly in Japan.
Buy from NF. *Cleared for tv. Prior authorization required.*

Road to reason (*Motion picture*) U. S. Veterans Administration, 1951.
28 min., sd., b&w, 16 mm.
Revision, prepared for television, of 1950 film released under the title Activity for schizophrenia.
Summary: Explains phases of the treatment given mental patients in Veterans Administration hospitals.
Borrow from VA. *Cleared for tv.*

The road to the wall (*Motion picture*) U. S. Dept. of Defense, 1962. Made by Columbia Broadcasting System.
34 min., sd., b&w, 16 mm.
Order no. AFIF 119
Summary: Appraises Communist expansion in Eastern Europe and discusses its implications on the international scene. Describes the intrenchment of Marxian philosophy throughout the USSR from the time of the Russian Revolution to World War II. Reviews USSR involvement in the war and subsequent political gains. Illustrates the Communist blueprint for conquest through events in China, Czechoslovakia, Hungary, Cuba, and Berlin. Emphasizes the threat of Communist objectives to the United States and the free world, stressing the urgency for economic aid and international cooperation.
Borrow from Army. *Buy from* NF.

Roads and traffic (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 1)
Summary: Describes problems of city and highway traffic in the United States, including those resulting from expanding suburban development; effects upon the American people; and the steps being taken to improve highway traffic conditions. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Roadside marketing (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Michigan and New York State Colleges of Agriculture, Massachusetts and New Jersey State Departments of Agriculture, and University of New Hampshire, 1939.
51 fr., b&w, 35 mm.
Order no. 273.
With lecture notes.
Summary: Shows several types of roadside stands, and explains how to make stands attractive by location, display, signs, and advertising.
Buy from PhotoLab.

Roadside marketing in the Garden State (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
36 double fr., color, 35 mm.
Order no. C–49.
With lecture notes.
Summary: Shows how fruits and vegetables are marketed directly to consumers in the Garden State (New Jersey) and illustrates the principles of location, displaying, advertising, and marketing.
Buy from PhotoLab.

Robert Frost (*Motion picture*) U. S. Information Agency, 1960. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.
26 min., sd., color, 16 mm.
Summary: Shows Robert Frost reading his poems at his New England home against pictorial backgrounds of the four seasons.
Buy from NF. *Cleared for tv. Prior authorization required.*

Rocket instrumentation (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
15 min., sd., b&w, 16 mm.
Order no. FB 9-231.
Summary: Shows the various methods and instruments used to track and record the speed, distance, and flight of rockets; and how the data recorded are used for improving rocket design and development.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Rodent control series
see
Area poisoning
Habits and characteristics of the rat: The Norway rat
Habits and characteristics of the rat: The roof rat
The Norway rat, habits and characteristics
Rat ectoparasite control
Rat killing
The rat problem
Ratproofing
The roof rat, habits and characteristics
Sanitation techniques in rat control

The role of government in the economic life of the country
see American history II, lecture 4: The role of government in the economic life of the country

The role of the Army (*Motion picture*) U. S. Dept. of the Army, 1955.
25 min., sd., b&w, 16 mm.
Order no. MF 45-8586.
Summary: Explains the role and responsibilities of the U. S. Army in defending the security of the Nation, including fighting on the battlefield, restoring order after battle, and control of military prisoners of war and of civilians in occupied areas. Discusses the Army program of recruitment and training of men in the Regular Army and in Reserve and National Guard units.
Borrow from Army. *Buy from* NF.

The role of the chaplain in Civil Air Patrol (*Filmstrip*) U. S. Civil Air Patrol, 1957.
53 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 14 min. microgroove.
Summary: Explains the duties and qualifications of Civil Air Patrol chaplains.
Buy from CAP.

Role of the combat cameraman (*Motion picture*) U. S. Dept. of Defense, 1952.
14 min., sd., b&w, 16 mm.
Order no. RTAF 141.
Summary: Explains and documents pictorially the role of the combat photographer from World War I to Korea. Shows that his pictures are a source of historical record, an asset to military intelligence, and an aid in training troops.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Rolled earth dams (*Motion picture*) U. S. Army Engineers, 1950.
25 min., sd., color, 16 mm.
Summary: Shows by animation the component parts of an earth dam and portrays the methods used by the U. S. Army Corps of Engineers in the construction of such dams.
Borrow from Eng. *Cleared for tv.*

The roof rat, habits and characteristics (*Motion picture*) U. S. Public Health Service, 1954.
8 min., sd., b&w, 16 mm. (Rodent control, no. 3)
Short version of the motion picture Habits and characteristics of the rat: The roof rat, produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
Summary: Explains and pictures the characteristics and habits of the roof rats—their climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rats can man control them.
Borrow from PHS. *Buy from* NF.

The roof rat, habits and characteristics
see also
Habits and characteristics of the rat: The roof rat

Roosevelt and the New Deal
see American history II, lecture 17: Roosevelt and the New Deal

Rosary of the missions (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Pictures of California. Released for public educational use in the United States through U. S. Office of Education, 1954.
18 min., sd., color, 16 mm.
Summary: Tells the story of the early founding of the chain of Spanish missions in California and the part played by Father Junípero Serra and other Franciscans in the work. Shows the restoration of the missions, their use today, and their contribution to art and architecture in America. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Rotating magnetic fields (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
13 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 2)
Order no. OE 384.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Explains a rotating magnetic field pattern; three-phase winding in a demonstration stator; factors that cause rotation of the magnetic field; and the construction of polyphase motors.
Buy from NF.

Rotating magnetic fields (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
44 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 2)
Order no. OE 384–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Rough-facing, boring, and turning a shoulder (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical boring mill, no. 2)

Order no. OE 17.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up a rough casting on a vertical turret lathe; face a flange and turn a shoulder with the sidehead turret; and face a flange and bore a hole with the vertical turret.

Buy from NF.

Rough-facing, boring, and turning a shoulder (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

47 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical boring mill, no. 2)

Order no. OE 17–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rough-facing, turning and drilling (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

31 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical boring mill, no. 1)

Order no. OE 16.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to operate the controls of a vertical turret lathe; set up tools in the main turret head; rough-face and rough-turn an aluminum casting; and drill the center hole.

Buy from NF.

Rough-facing, turning and drilling (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

49 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical boring mill, no. 1)

Order no. OE 16–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rough grinding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

27 min., sd., b&w, 16 mm. (Optical craftsmanship series. Flat surfaces)

Order no. MN 2449–e.

Summary: Demonstrates procedures for grinding a flat optical surface by the hand method. Covers blocking of prisms to planoplate, procedures for hand grinding, cleaning of mill, inspection, measurement, deblocking, grinding of large pieces of optical glass, and edge grinding.

Borrow from Navy. *Buy from* NF.

Rough grinding (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

26 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 180.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Explains three methods of rough grinding lenses: by hand, pin-bar, and mechanical curvature generator; shows in detail how to hand grind a concave lens.

Buy from NF.

Rough grinding (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

56 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 180–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rough grinding by pin-bar (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

19 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 181.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use job card; select and adjust grinding tool; use abrasive; perform the grinding operation; clean the grinding tool; and correct worn grinding tools.

Buy from NF.

Rough grinding by pin-bar (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

45 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 181–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rough grinding with a curvature generator (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

15 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. MN 2449–d.

Summary: Demonstrates rough grinding of spherical surfaces by the curvature generator process; illustrates theory, function, and operation of the curve generating diamond grinding wheel.

Borrow from Navy.

Rough grinding with a vertical surface grinder (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

26 min., sd., b&w, 16 mm. (Optical craftsmanship series. Flat surfaces)

Order no. MN 2449–f.

Summary: Demonstrates machine grinding of flat surfaces to 1/10,000 inch tolerance and methods of blocking to grind all surfaces with a minimum of changes in position.

Borrow from Navy.

Rough line-boring (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

19 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 5)

Order no. OE 229.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to install the boring bar and cutters; bore, counterbore, and spot-face holes; and reposition from one hole to another.

Buy from NF.

Rough line-boring (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

31 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 5)

Order no. OE 229–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rough turning between centers (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 1)

Order no. OE 6.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up an engine lathe; operate the controls; grind clearances on cutting tools; and rough-turn round bar stock to a specified diameter.

Buy from NF.

Rough turning between centers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 1)
Order no. OE 6–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Roughing-in nonmetallic sheathed cable (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
24 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 3))
Order no. OE 373.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to determine the location of required runs; install an offset bar hanger and ceiling outlet box; rough-in a circuit run; and make up connections for switches, receptacles, and fixtures.

Buy from NF.

Roughing-in nonmetallic sheathed cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
41 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 3))
Order no. OE 373–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Roundup (*Motion picture*) U. S. Dept. of Agriculture, 1960.
18 min., sd., color, 16 mm.
Summary: Portrays the story of the peacetime use of atomic energy to eradicate the screwworm and shows how Florida and other Southern States collaborated in the research and eradication program.

Rent from DA Film Libraries. *Buy from* NF.

Routine admission chest X-ray in general hospitals (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.
22 min., sd., b&w, 16 mm.
Summary: Advocates the installation of photofluorographic equipment in the admissions offices of general hospitals; demonstrates the operation of such equipment and the maintenance of patients' records; and explains how this system locates otherwise undetected cases of tuberculosis.
Borrow from PHS.

Routine X-ray procedures (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., color, 16 mm.
Order no. MN 2618.
Summary: Discusses X-ray procedure and the care of X-ray records; illustrates the preparation of forms, storage of films, and the preparation of film for interpretation by roentgenologist.

Borrow from Navy. *Buy from* NF.

The rubber dam in dentistry (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Byron, inc.
19 min., sd., color, 16 mm.
Order no. MN 9346.
Summary: Illustrates the use of the rubber dam in restorative dentistry and shows, in detail, techniques of its application.

Borrow from Navy. *Buy from* NF.

Rubber from oil (*Motion picture*) U. S. Bureau of Mines in cooperation with Enjay Co., 1958. Made by Campus Film Productions.
30 min., sd., color, 16 mm.
Order no. 251.
Summary: Describes the discovery, testing, production, and uses of butyl rubber.
Borrow from BM. *Cleared for tv.*

Rude star identifier (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.
57 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Navigation series)
Order no. SN 83–t.
Summary: Explains how to use the star identification table; and demonstrates how to use template discs, establish local meridian, and find altitude and azimuth of Jupiter.

Borrow from Navy. *Buy from* NF.

Rules in fog (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
17 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202–v.
Summary: Explains when to use fog and danger signals, the meaning of fog signals under inland and international rules, and how to determine safe speed in fog.

Borrow from Navy. *Buy from* NF.

Rules of the nautical road: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202–b.
Originally produced and released in 1942 as part of The Halifax incident, order no. MN 202–a.
Summary: Describes and illustrates by animation international rules of navigation, the importance of taking bearings, and selected nautical terms.

Borrow from Navy. *Buy from* NF.

Rules of the nautical road series
see
The Beaver–Selja incident
City of Rome incident
Crossing at night
Crossing steam vessels
The Halifax incident
Lights, running and anchor
Lights, vessels being towed
Meeting at night
Meeting steam vessels
Overtaking at night
Overtaking situation
Rules in fog
Rules of the nautical road: Introduction
Special circumstances
Special lights
Special steering and sailing rules
The Svea–Newport incident
The Taurus–Gulf Trade incident
Towing lights
The Varanger–Dora Weems incident
Visual day signals
Whistle signals for approaching steam vessels

Rules of the road for boatmen (*Motion picture*) U. S. Coast Guard, 1959.

16 min., sd., color, 16 mm.
Summary: Uses animation and live action in presenting rules of the road for boatmen, discussing meeting, passing, and overtaking situations, procedures for small craft versus large vessels, and proper rules to follow in fog.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Rules of the road, international: Restricted visibility situations (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.

10 min., sd., b&w, 16 mm.

Order no. MN 9302–g.

Summary: Shows what to do in situations when visibility is restricted.

Borrow from Navy. ***Buy from*** NF. ***Cleared for tv.***

Rules of the road, international: Special daytime situations (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.

11 min., sd., color, 16 mm.

Order no. MN 9302–d.

Summary: Shows how to tell the status, occupation, or degree of maneuverability of vessels not in independent operation in daylight. Illustrates special signals to warn other vessels of a ship's situation, and explains in each instance the action to be taken by the observing ship. Includes situations of a ship at anchor, a vessel not under command, a vessel aground, one engaged in a special occupation, and one engaged in fishing.

Borrow from Navy. ***Buy from*** NF.

Rules of the road, international: Vessels crossing, daytime (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

21 min., sd., b&w, 16 mm.

Order no. MN 9302–b.

Summary: Shows what should be done when vessels cross in the daytime.

Borrow from Navy. ***Buy from*** NF. ***Cleared for tv.***

Rules of the road, international: Vessels overtaking, daytime (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

19 min., sd., b&w, 16 mm.

Order no. MN 9302–c.

Summary: Shows what should be done when vessels are overtaking in daytime, and stresses the obligation of all vessels in obeying the rule that the overtaking vessel must keep out of the way of the overtaken vessel. Explains what should be done when the rule is not observed and points out that the ordinary practice of seamen must apply in many borderline situations that arise on the seas.

Borrow from Navy. ***Buy from*** NF. ***Cleared for tv.***

Running a permanent line and boring (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

32 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 8. Laying out and installing stern tube, tail shaft, and propeller, no. 3)

Order no. OE 341.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to run the permanent line; establish reference marks on bulkhead, propeller post, and doubler ring; install and adjust the boring bar; and rough- and finish-bore propeller post and various bulkheads to specifications.

Buy from NF.

Running a permanent line and boring (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

58 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 8. Laying out and installing stern tube, tail shaft, and propeller, no. 3)

Order no. OE 341–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Running a temporary line (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 6. Laying out and installing stern tube, tail shaft, and propeller, no. 1)

Order no. OE 100.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How the propeller post is prepared for running a temporary line; how to adjust a line to the center of bulkhead openings; eliminate the sag when a line has been run; and check a temporary line for proper position.

Buy from NF.

Running a temporary line (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

32 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 6. Laying out and installing stern tube, tail shaft, and propeller, no. 1)

Order no. OE 100–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Rural areas development—what it is, what it can do, how it works (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

73 fr., color, 35 mm.

Order no. C–90

Summary: Explains how to undertake rural redevelopment.

Buy from Photo Lab.

Rural colonial and early American homes and gardens (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

63 fr., b&w, 35 mm.

Order no. 331.

With lecture notes.

Summary: Exterior and interior scenes of American homes of interest because of their historic importance.

Buy from PhotoLab.

The rural co-op (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Dept. of Agriculture, 1950, and U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

Summary: Explains how farmers in Rockingham County, Va., organized a rural cooperative, and shows some of the operations and benefits of this cooperative. Prepared for use in occupied areas.

Rent from DA Film Libraries. ***Buy from*** NF. ***Cleared for tv. Prior authorization required.***

Rural high school (*Motion picture*) U. S. Dept. of State, 1951. Made by M. P. O. Productions. Released for educational use in the United States through the U. S. Office of Education, 1952.

18 min., sd., b&w, 16 mm.

Summary: Students in a large rural high school reply to a letter from foreign students and explain, via the film, their school and home life in America. Includes scenes of the school, classes, social activities, and students' homes. Prepared for overseas use.

Buy from NF.

Rural rat control (*Motion picture*) U. S. Public Health Service, 1951.

16 min., sd., b&w, 16 mm.

Order no. 4–116.

Summary: Explains how a farmer who understands rat habits can free his farm of rats through ratproofing buildings and food sources, burying garbage in a one-man land fill, and using approved poisons.

Borrow from PHS. ***Buy from*** NF. ***Cleared for tv. Prior authorization required.***

Rural women (*Motion picture*) U. S. Dept. of State, 1951. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education, 1954.

54 min., sd., b&w., 16 mm.

Summary: Depicts the life of American farm women. Centers around three families, explaining the role of rural clubs where women learn ways to lighten household work, better their families, and participate in community affairs. Locale: Iowa. Prepared for overseas use.

Buy from NF.

Rx attitude (*Motion picture*) U. S. Veterans Administration, 1952.

18 min., sd., b&w, 16 mm.

Summary: Stresses the importance of attitudes exhibited by hospital personnel toward mental patients, and portrays the effects of such attitudes upon patients in a Veterans Administration mental hospital. Primarily for the information and training of hospital personnel.

Borrow from VA. ***Buy from*** NF. ***Cleared for tv.***

S

SAC combat competition, 1960 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

24 min., sd., color, 16 mm.
Order no. FR 139.
Summary: Portrays the 12th annual SAC (Strategic Air Command) combat competition at Bergstrom Air Force Base, Texas, where SAC combat crews exhibit their skills in bombing, navigation, air refueling, and electronic countermeasures; shows the B-58 Hustler flown in competition for the first time. Emphasizes the effectiveness of around-the-clock maintenance efforts of engine and aircraft specialists, electronics technicians, and other support personnel. Includes the awarding of trophies by SAC Commander Thomas S. Power.
Borrow from AF. *Cleared for tv.*

SAC film report, no. 3, April 1961 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., color, 16 mm.
Order no. FR 142.
Summary: Presents a report on the operation and facilities of SAC's (Strategic Air Command) underground command post at Offutt Air Force Base, Nebraska. Shows how SAC exercises unerring command and flawless control over its world-wide deterrent force of missiles and aircraft.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

SCAP CI&E information centers (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.
Summary: Shows the various functions and facilities of the civilian information and education centers operated in Japan by the Supreme Commander, Allied Powers, including the public library center, recreation rooms, hobby shops, etc. Prepared for use in occupied areas, particularly in Japan.
Buy from NF.

SELF: The mobile airfield (*Motion picture*) U. S. Marine Corps, 1961. Made by U. S. Dept. of the Navy.

14 min., sd., color, 16 mm.
Order no. MH 9546-b.
Summary: Depicts the need for short airfield runways tailored to the requirements of jet aircraft operating to support military doctrine in amphibious assault operations. Describes the installation of SELF (short expeditionary land field) and companion equipment for operational tests and shows SELF successfully passing these tests during Operations Blue Star.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The SL–1 accident, phases 1 and 2 (*Motion picture*) U. S. Atomic Energy Commission, 1962.

40 min., sd., color, 16 mm.
Summary: Uses actual and reenacted scenes to present a résumé of what happened in phases 1 and 2 following the accidental nuclear excursion of January 3, 1961.
Borrow from AEC. *Buy from* Byron.

The SL–1 accident, phase 3 (*Motion picture*) U. S. Atomic Energy Commission, 1962.

57 min., sd., color, 16 mm.
Summary: A documentary report on what was done with the SL–1 reactor and building following the accidental nuclear excursion that occurred January 3, 1961. Provides a step-by-step reenactment of the accident, using animation to show the events believed to have taken place during and immediately following the excursion, and presents a postulation of the cause.
Borrow from AEC. Buy from Palmer.

Sacrifice: Sentimental journey (*Motion picture*) U. S. Dept. of the Army, 1958.

8 min., sd., b&w, 16 mm.
Order no. TF 16-2516.
Summary: Dramatized story illustrating the concept of sacrifice. Made for use by Army chaplains.
Borrow from Army.

Safe driving in bad weather. Part 1: Light vehicles (*Motion picture*) U. S. Dept. of the Air Force, 1956.

17 min., sd., b&w, 16 mm.
Order no. TF 1–5013.
Summary: Shows driving hazards in rain, snow, and on ice, and demonstrates how to overcome them.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Safe driving in bad weather. Part 2: Trucks and tractor-trailers (*Motion picture*) U. S. Dept. of the Air Force, 1956.

16 min., sd., b&w, 16 mm.
Order no. TF 1–5013.
Summary: Explains the importance of knowing your vehicle, driving according to road conditions, using bad-weather equipment furnished with a truck, and always being on the alert.
Borrow from AF. *Buy from* UWF. *Cleared for tv.*

Safe driving in Europe (*Motion picture*) U. S. Dept. of the Air Force, 1957.

15 min., sd., b&w, 16 mm.
Order no. SFP 529.
Summary: Demonstrates the principles of safe driving, and explains traffic regulations which servicemen should observe while driving in the countries they visit.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Safe practices in handling DDT (*Filmstrip*) U. S. Public Health Service, 1945.

37 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 5 min.
Order no. 5-005.
Summary: Explains the hazards of handling DDT, and precautions to be followed in using DDT in the home.
Borrow from PHS.

Safe practices in the hoisting of material (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

82 fr., b&w, 35 mm.
Order no. FS 1–545.
Summary: Discusses the construction and types of wire rope cable; how to seize it; how to use slings; right and wrong ways of clipping wire cable; the capacities of different wire ropes; hand signals used in hoisting; use and care of manila ropes; and procedures to follow for safe hoisting.
Borrow from AF.

Safe tuberculosis nursing (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

21 min., sd., b&w, 16 mm
Summary: Emphasizes the importance of asepsis in the nursing care of tuberculosis patients, and shows preventive measures to be used by nurses and hospital personnel.
Borrow from VA. *Buy from* NF.

Safeguarding military information (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

16 min., sd., b&w, 16 mm.
Order no. TF 30-1523.
Summary: Stresses the importance of safeguarding military information for both military and civilian personnel.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Safety experiments with a boiling reactor (*Motion picture*) U. S. Atomic Energy Commission, 1956.
20 min., sd., b&w, 16 mm.
Summary: Records a series of safety experiments with a prototype boiling water reactor consisting of a pressure vessel containing an assembly of uranium-bearing plates submerged in water plus a control mechanism. After showing a number of reactor excursions, some of which expel the water from the reactor, the film shows the deliberate destruction of the reactor assembly, when the reactor is allowed to "run away."
Borrow from AEC. *Cleared for tv.*

Safety for sure (*Motion picture*) U. S. Dept. of Agriculture, 1959.
11 min., sd., color, 16 mm.
Summary: Features a chalk talk by Forest Service artist Harry Rossoll. Points out the sure way to safety and the four key points to be taught on any job: size up the situation, use your Safety code and follow instructions; protect your fellow workers; and establish an alternate plan.
Rent from DA film libraries. *Cleared for tv.*

Safety in the shop (*Motion picture*) U. S. Office of Education, 1944. Made by Century Productions.
12 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 481.
With instructor's manual.
Summary: Dramatizes three typical shop accidents and shows how poor supervision or inadequate training may have been the real cause behind these "accidents."
Buy from NF.

Safety in the shop
see also
Seguridad en el taller

Safety measures in tuberculosis laboratories (*Filmstrip*) U. S. Public Health Service, 1954.
37 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 75.
Summary: Explains to laboratory technicians, directors, nurses, and doctors important safety measures that should be followed in tuberculosis laboratories.
Borrow from PHS. *Buy from* NF.

Safety on-the-job at sea (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.
17 min., sd., b&w, 16 mm.
Order no. MN 8639.
Summary: Describes the organization for shipboard safety, how shipboard accidents can occur, accident prevention measures, and the importance of crew safety consciousness.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Safety practices for the motor vehicle driver—non-military driving (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
108 fr., b&w, 35 mm.
Order no. FS 1–888.
Summary: Presents a variety of questions and typical situations to test the motor vehicle operator's knowledge of safe driving practices.
Borrow from AF.

Safety precautions for electronics personnel (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm.
Order no. MN 6754.
Summary: Shows electrical and mechanical hazards which electronics technicians encounter in their normal work, and stresses precautions which should be employed to prevent accidents.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Sailmaking series
see **Shipbuilding skills series. Sailmaking**

Salud para las Américas
see
El cuerpo humano
El cuidado del niño
La enfermedad se propaga
Es fácil comer bien
Que es enfermedad?
Saneamiento del ambiente
La tuberculosis

The salute (*Motion picture*) U. S. Dept. of the Navy, 1960.
15 min., sd., b&w, 16 mm.
Order no. MH-8040.
Summary: Explains the use of salutes, both armed and unarmed, according to Navy regulations.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

A salute to Arleigh Burke (*Motion picture*) U. S. Dept. of the Navy, 1961.
25 min., sd., b&w, 16 mm.
Order no. MN 9688
Summary: A biographical documentary film portraying highlights in the naval career of Admiral Arleigh Burke.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Sam'l and social security (*Motion picture*) U. S. Social Security Administration, 1958. Made by Creative Arts Studio.
14 min., sd., color or b&w, 16 mm.
Summary: Cartoon describing the origins of social security, the basic provisions of Federal social security programs in the U. S., and measures to be taken by citizens in applying for old age and survivors' insurance benefits.
Borrow from SSA. *Buy from* NF.

Sampling and testing drinking water (*Filmstrip*) U. S. Public Health Service, 1950.
74 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. 5–140.
Summary: Presents instructions to be followed by sanitarians in the sampling of drinking water sources and in the procedures for identifying coliform organisms in drinking water.
Borrow from PHS. *Buy from* NF.

Sampling raw milk (*Motion picture*) U. S. Public Health Service, 1952.
7 min., sd., b&w, 16 mm.
Order no. M 51–b.
Summary: Shows in detail the procedures used by sanitarians in the collection of samples of raw milk for laboratory examination.
Borrow from PHS. *Buy from* NF.

San Francisco, 1945 (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
Summary: A motion-picture record of major events at the conference held in San Francisco in 1945 at which the United Nations was formed.
Buy from NF.

San Pietro (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
33 min., sd., b&w, 16 mm. (Campaign reports series)
Order no. CR 2.
Summary: Documentary historical record of the battle of San Pietro in World War II and of the 5th American Army in this battle.
Borrow from Army. *Buy from* NF.

Sand bag bumping (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.
50 fr., b&w, 35 mm.
Order no. SN 293.
Summary: How to prepare a template; cut the metal; select the right tools; bump the metal properly; and finish the job smoothly.
Borrow from Navy. Buy from NF.

Sandfly control (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
32 min., sd., color, 16 mm.
Order no. PMF 5028.
Summary: Explains the symptoms and treatment of diseases transmitted by the sandfly; and describes the principles and methods of sanitation essential to control of the sandfly.
Borrow from Army. Buy from NF.

Sanding flat and irregular surfaces (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the sander, no. 1)
Order no. OE 312.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How the belt sander operates; how to prepare a sanding belt; sand flat stock on a belt sander; sand curved molding; and use and replace sandpaper on a disk sander and on a spindle sander.
Buy from NF.

Sanding flat and irregular surfaces (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
47 fr., b&w, 35 mm. (Precision wood machining series. Operations on the sander, no. 1)
Order no. OE 312–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sanding flat and irregular surfaces
see also
Ponçage de surfaces planes et irrégulières

Saneamento geral (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Saúde para as Américas)
Portuguese version of Environmental sanitation.
Summary: Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.
Buy from NF. Cleared for tv.

Saneamiento del ambiente (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Salud para las Américas)
Spanish version of Environmental sanitation.
Summary: Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.
Buy from NF. Cleared for tv.

Sanitary design in drinking fountains (*Filmstrip*) U. S. Public Health Service, 1947.
52 fr., b&w, 35 mm.
Order no. 5-081.
Summary: Explains how improperly designed drinking fountains can transmit disease, and describes the characteristics of a properly designed fountain.
Borrow from PHS. Buy from NF.

The sanitary landfill. Part 1: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1957.
50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. F 229-a.
Summary: Shows and describes details of sanitary landfill operations in level sites, deep valleys, rolling terrain, and marshy areas.
Borrow from PHS. Buy from NF. Cleared for tv.

The sanitary landfill. Part 2: Small community landfills (*Filmstrip*) U. S. Public Health Service, 1956.
41 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min.
Order no. F 229-b.
Summary: Points out the public health advantages of the sanitary landfill for refuse disposal, and shows how such landfills can be adapted to small towns and communities.
Borrow from PHS. Buy from NF.

The sanitary market (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Summary: Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.
Buy from NF. Cleared for tv.

The sanitary market
see also
Mercados asseiados
Mercados higiénicos

Sanitary storage and collection of refuse (*Motion picture*) U. S. Public Health Service, 1952.
19 min., sd., color, 16 mm.
Order no. M 4.
Summary: Shows operations essential in the sanitary handling and storage of refuse by individual citizens; and the municipal collection of such refuse from homes, restaurants, markets, and other sources.
Borrow from PHS. Buy from NF.

Sanitation techniques in rat control (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.
21 min., sd., b&w, 16 mm. (Rodent control series, no. 4. Practical rat control, no. 1)
Order no. TF 8–1672 or M 37–d.
Summary: Explains the importance of controlling rats by cutting down their food supply, and suggests various methods of garbage and refuse storage and removal.
Borrow from Army. Buy from NF. Cleared for tv.

Sanitation techniques in rat control (*Motion picture*) U. S. Public Health Service, 1954.
12 min., sd., b&w, 16 mm. (Rodent control, no. 4. Practical rat control, no. 1)
Order no. M 37.1–d.
Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
Summary: Explains the importance of controlling rats by cutting down their food supply, and suggests various methods of garbage and refuse storage and removal.
Borrow from PHS. Buy from NF. Cleared for tv. Prior authorization required.

São Paulo (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm.
Summary: Tourist view of the city of São Paulo.
Buy from NF.

Sardines from Maine, Down East style (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by Sundial Films.
14 min., sd., color, 16 mm.
Summary: Shows the catching and processing of Maine sardines; and how to cook and serve them, New England style, for picnics, small dinners, hors d'oeuvres, or lunches. Mentions special uses for different seasons of the year.
Borrow from FWS. Cleared for tv. Prior authorization required.

Saúde para as Américas
see
Como cuidar da criança
O corpo humano
E facil comer bem
O que e a doença?
Saneamento geral
Transmissão das doenças
A tuberculose

Save more lambs (*Motion picture*) U. S. Dept. of Agriculture, 1951.
7 min., sd., b&w, 16 mm.
Summary: Shows farmers how to care for the ewes before and after lambing time in order to cut down the death losses among baby lambs.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Save the soil (*Motion picture*) U. S. Dept. of Agriculture, 1940.
11 min., sd., b&w, 16 mm.
Revision of the 1932 film of the same title.
Summary: Shows various ways of conserving soil fertility, including terracing, cover-cropping, crop rotation, and the use of fertilizers.
Rent from DA Film Libraries. *Buy from* NF.

Save work in doing dairy chores (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
50 fr., b&w, 35 mm.
Order no. 674.
With lecture notes.
Summary: How a Vermont farmer studied the way he was doing his dairy-barn chores and, as a result, made improvement that saved time and labor.
Buy from PhotoLab.

Sawing a reverse curve and a bevel reverse curve (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
18 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the band saw, no. 2)
Order no. OE 310.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to select and lay out stock to avoid waste; reverse curves to contour lines; use the table tilting gage; saw a beveled, reverse curve; prepare a template for a newel post; and saw a newel post having reverse curves.
Buy from NF.

Sawing a reverse curve and a bevel reverse curve (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
38 fr., b&w, 35 mm. (Precision wood machining series Operations on the band saw, no. 2)
Order no. OE 310-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sawing a reverse curve and a bevel reverse curve
see also
Chantournage d'une courbe renversée et d'une courbe renversée biseautée

Sawing an internal irregular shape (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
32 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the metal cutting band saw, no. 1)
Order no. OE 230.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to drill the saw-starting hole; make the saw selection; set up a band saw machine; weld saw bands; saw an internal contour shape; and remove and store a band saw.
Buy from NF.

Sawing an internal irregular shape (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
43 fr., b&w, 35 mm. (Machine shop work series. Operations on the metal cutting band saw, no. 1)
Order no. OE 230-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sawing template metal (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.
17 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 4)
Order no. OE 128.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mount a saw blade on a band saw; select and adjust blade guides; saw to a layout line; "chew out" metal from a notch; and remove burrs.
Buy from NF.

Sawing template metal (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.
50 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 4)
Order no. OE 128-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sawing with jig and changing band (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
20 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the band saw, no. 1)
Order no. OE 309.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to select the proper band saw blades for the job; adjust saw guides; mark stock and cut to the mark; prepare a jig; and cut discs, using a jig.
Buy from NF.

Sawing with jig and changing band (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
44 fr., b&w, 35 mm. (Precision wood machining series. Operations on the band saw, no. 1)
Order no. OE 309-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sawing with jig and changing band
see also
Sciage avec gabarit et changement de ruban

Schistosomes in the primary host (*Motion picture*) U. S. Public Health Service, 1948.
7 min., sd., b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-063.
Summary: Shows through photomicrography the development of schistosomes, male and female, in various stages of growth in primary hosts—rabbit and mouse.
Borrow from PHS.

Schistosomiasis (*Motion picture*) U. S. Dept. of the Army, 1946.
27 min., sd., color, 16 mm.
Order no. PMF 5027.
Summary: Explains the relationship of the three types of schistosomiasis with reference to geographical habitat, epidemiology, symptomatology, and general control measures. Shows various technical, clinical, and laboratory procedures in the diagnosis and treatment of schistosomiasis japonica. For medical and scientific personnel.
Borrow from Army. *Buy from* NF.

Schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1945.

80 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. 5-006.

Another version, with same title (order no. 5-006.1) designed for biologists and parasitologists, also available.

Summary: Explains the various species of blood flukes, their geographic distribution, identification, life cycle, and hosts; and presents the medical aspects of schistosomiasis as it appears in man. For physicians and health officers.

Borrow from PHS.

Schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1945.

102 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.
Order no. 5-006.1.

Another version, with same title (order no. 5-006) designed for physicians and health officers, also available.

Summary: Presents the biological facts relative to schistosomiasis and the life cycles and characteristics of three species of blood flukes—*Schistosoma mansoni*, *hematobium*, and *japonicum*. For biologists and parasitologists.

Borrow from PHS.

Schistosomiasis mansoni study films series
see
Australorbis glabratus, vector of Schistosoma mansoni
Eggs and miracidia of Schistosoma mansoni
The pathology of schistosomiasis
Schistosomes in the primary host
The setting of endemic schistosomiasis in Puerto Rico
Sporocysts and cercariae of Schistosoma mansoni

Schistosomiasis—snail fever (*Motion picture*) U. S. War Dept., 1945.

10 min., sd., b&w, 16 mm.
Order no. MF 8-1230.

Summary: Discusses the cause of schistosomiasis and indicates preventive measures.

Borrow from Army.

The school (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

21 min., sd., b&w, 16 mm. (Ohio town series)

Summary: Shows one day's activities in an elementary school—the janitor opening the building, the children on their way to school, the first grade studying and playing, a P. T. A. meeting in the evening.

Buy from NF.

School bus operation series
see Automotive series. School bus operation

School films series
see
Erosion
Soil and water conservation
Topsoil
Water

School of the sky (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., color, 16 mm.
Order no. SFP 403.

Summary: A tour of the U. S. Air Force Academy. Describes a cadet's life at the academy, including his military and physical training, his academic studies, his field trips in the States and abroad, and his social activities.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

School of the south (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

14 min., sd., b&w, 16 mm.

Summary: Shows the schools of Latin American countries.

Buy from NF.

Sciage avec gabarit et changement de ruban (*Motion picture*) U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie à ruban, no 1)
Order no. OE 309-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Sawing with jig and changing band.

Buy from NF.

Sciage d'une gorge et d'une boite à noyaux (*Motion picture*) U. S. Office of Education, 1951.

19 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie combinée, no 4)
Order no. OE 311-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Cutting cove molding and a corebox.

Buy from NF.

Sciage sur le long et sciage sur le travers (*Motion picture*) U. S. Office of Education, 1951.

19 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie combinée, no 1)
Order no. OE 306-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Ripping and cross-cutting.

Buy from NF.

Sciatic pain and the intervertebral disk (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

33 min., sd., color, 16 mm.
Order no. MN 1995.

Summary: Explains symptoms and treatment of functional and organic rupturing of the spine in the lower lumbar region, especially at the intervertebral disk. For medical personnel.

Borrow from Navy. *Buy from* NF.

Science against cancer
see The fight: Science against cancer

Science and the Signal Corps (*Motion picture*) U. S. Dept. of the Army, 1950.

19 min., sd., b&w, 16 mm.
Order no. MF 11-7710.

Summary: Stresses the importance of the Signal Corps in modern war, and the development of modern equipment through engineering research.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Science through discovery (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.

28 min., sd., b&w, 16 mm.

Summary: Shows children in grades one through six learning about science through a variety of procedures with emphasis upon experimenting, demonstrating, and thinking.

Buy from NF. *Cleared for tv.*

Scope report (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

30 double fr., color, 35 mm.

Order no. C-60.

Summary: Describes the scope and responsibility of the Cooperative Extension Service today. Includes a pictorial review of the 1958 report of a subcommittee to the Extension Committee on Organization and Policy.

Buy from PhotoLab.

Scramble two—the joint use of air defense and air traffic control facilities (*Motion picture*) U. S. Dept. of the Air Force, 1963.

20 min., sd., color, 16 mm.

Order no. SFP 1100

Summary: Depicts the cooperation between the Air Defense Command and the Federal Aviation Agency in sharing radar data to accomplish their missions of air defense and air traffic control. Illustrates the value of joint use of military and civil radar facilities.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Scrapie (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration and California Dept. of Agriculture, 1954.

8 min., sd., color, 16 mm.

Summary: Reviews the history of scrapie, and illustrates its key symptoms, methods of diagnosis and ways of combatting this disease of sheep.

Rent from DA film libraries.

Scraping flat surfaces (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

14 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 2)

Order no. OE 35.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How surface plates are used to check the flatness of surfaces; types of scrapers; how to remove high spots and to determine when a surface is scraped flat.

Buy from NF.

Scraping flat surfaces (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

33 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 2)

Order no. OE 35-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Screws and plates (*Motion picture*) U. S. Veterans Administration, 1949.

6 min., sd., b&w, 16 mm. (Light mechanics series, no. 2)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Demonstrates how to use tweezers and jeweler's screwdrivers in assembly and disassembly operations involving fine craftsmanship.

Borrow from VA. *Buy from* NF.

The scroll (*Motion picture*) U. S. Information Agency, 1956. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1957.

11 min., sd., color, 16 mm.

Summary: Chinese-American artist Dong Kingman reports his impressions of the countries he visited as a participant in the cultural exchange program. Includes sketches of Japan, Korea, Formosa, Thailand, the Philippines, Hong Kong, Malaya, India, Turkey, Austria, Norway, England, and Iceland. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

The sea lamprey
see Great Lakes Invader: The sea lamprey

Sea power in the Pacific (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1950.

30 min., sd., b&w, 16 mm.

Order no. MN 6124.

Summary: Traces the history and depicts the role of American sea power in the Pacific during World War II.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Sea power: Supply, the lifeblood of sea power (*Motion picture*) U. S. Dept. of the Navy, 1959.

15 min., sd., color, 16 mm.

Order no. MN 8538.

Summary: Portrays the story of the Supply Corps. Shows the organization and methods of operation of the corps and advanced methods used in the inventorying, stocking, and distribution of supplies. Emphasizes the transfer of supplies at sea and the mobility of the units afloat.

Borrow from Navy. *Cleared for tv.*

Sea power: The Sixth Fleet, force for peace (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Reid H. Ray Film Industries.

56 min., sd., color, 16 mm.

Order no. MN 8529.

Summary: Shows the Sixth Fleet patrolling the Mediterranean, and illustrates the role of the officers and enlisted personnel as ambassadors of good will and keepers of the peace in a troubled area.

Borrow from Navy. *Cleared for tv.*

Seabees can do plus (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Cascade Pictures.

13 min., sd., b&w, 16 mm.

Order no. MN 6841.

Summary: Reviews the work of Seabees in World War II; explains the need for similar personnel today; the skills that are needed; and the training that is offered.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Seabees in the Antarctic: Base construction and equipment operation (*Motion picture*) U. S. Dept. of the Navy, 1958.

19 min., sd., color, 16 mm.

Order no. MN 8065-a.

Summary: Describes the activities of the Seabees in the Antarctic during Operation Deep Freeze II; portrays some of the difficulties encountered and shows how they were overcome.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Seapower (*Motion picture*) U. S. Dept. of the Navy, 1959.

14 min., sd., color, 16 mm.

Order no. MN 8970

Summary: Discusses the Navy's growing responsibility in a fast changing world and explains how seapower is meeting the world situation today.

Borrow from Navy.

Seapower (*Motion picture*) U. S. Dept. of the Navy, 1963.

12 motion pictures (1 min. each), sd., color, 16 mm.

Order nos. MN 9714A-L

Contents.—Destroyers, carrier, submarine.—Carrier operations.—Protection of the sea lanes.—Naval aviation history.—Polaris submarines.—Raw materials.—Missile firing from Albany, ASROC.—Missiles and jets.—Flight operations.—Long Beach.—Leadership.—F4H.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Seapower for freedom (*Motion picture*) U. S. Dept. of the Navy, 1953.

29 min., sd., b&w, 16 mm.

Order no. MN 7838.

Summary: Explains the formation, composition, and command relationships of SACLANT (Office of Supreme Allied Commander, Atlantic) and shows a typical joint exercise.

Borrow from Navy. *Cleared for tv.*

The search (*Motion picture*) U. S. Dept. of the Army, 1959.

7 min., sd., b&w, 16 mm.
Order no. TF 19-2273.
Summary: Depicts the search procedures used to prevent contraband or unauthorized articles from being taken into or out of a military stockade. Demonstrates the techniques used in the systematic search of a prisoner by a guard and describes the action taken by the guard upon discovery of unauthorized items on the person. Shows the procedures used to shakedown a vehicle entering or leaving the stockade, discusses the disposition of unauthorized articles found in the vehicles, and explains that as an extra precautionary measure, all vehicles are escorted while inside the confinement facility.
Borrow from Army. *Buy from* NF.

Search and rescue—AMVER system (*Motion picture*) U. S. Coast Guard, 1963.

28 min., sd., color, 16 mm.
Summary: Describes the search and rescue modified operations of the Coast Guard as recently modified through integration of the Atlantic Merchant Vessel Report System. Presents an SAR incident, utilizing AMVER and its continuous recording of ships' positions and facilities, with subsequent rescue of those involved.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Search and rescue boat handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., color, 16 mm. (Search and rescue series. Standardization of crew training for search and rescue craft)
Order no. MG 5381-b.
Summary: Shows how the crew of a U. S. Coast Guard boat rescues an injured man from a plane forced down offshore, then tows the plane into harbor.

Buy from NF. *Cleared for tv.*

Search and rescue—pleasure craft (*Motion picture*) U. S. Coast Guard, 1960.

26 min., sd., color, 16 mm.
Summary: Explains the operation of the search and rescue network as it applies to surface craft, especially pleasure boats. Details specifically the proper procedures to be followed by vessels in distress in obtaining search and rescue assistance.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Search and rescue scanning and sighting techniques (*Motion picture*) U. S. Dept. of the Air Force, 1960.

7 min., sd., color, 16 mm.
Order no. TF 1-5362.
Summary: Shows the proper method for systematic scanning and sighting during search operations. Describes fixation points, clock system, and reference points.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Search and rescue series
see
Operation of ocean station vessels during search and rescue

Search and rescue series. Ocean station vessel crew training in search and rescue
see
Search patterns
Towing a disabled plane
Training in operation plans between the ocean station vessel and a ditching plane
Transfer of a patient at sea
Use of special electronic and visual search aids
Weather duties

Search and rescue series. Standardization of crew training for search and rescue craft
see
Search and rescue boat handling
Survivor recovery and handling
Use of radio and visual signaling devices

Search for silence (*Motion picture*) U. S. Dept. of the Navy, 1960.

15 min., sd., b&w, 16 mm.
Order no. MN 8958.
Summary: Explains what the Navy is doing to curb the noise of jet aircraft around Naval air stations and follows a Naval aviator as he points up the salient features of the Navy's noise-abatement program. Emphasizes Navy-community cooperation in solving jet noise problems generated by field carrier landing practice, low level air navigation training, and sonic boom.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Search operations (*Motion picture*) U. S. Dept. of the Air Force, 1961.

29 min., sd., b&w, 16 mm.
Order no. SFP 1089
Summary: Dramatizes a typical missing-aircraft incident to demonstrate systematic search and rescue operations conducted according to the national search and rescue plan and the national search and rescue agreement. Depicts various areas of responsibility covering the Armed Forces, Civil Air Patrol, and local authorities. Shows how mission planning and coordination are directed by the mission coordinators in charge of searches over land and over water.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Search patterns (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
5 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG 5380-a.
Summary: Shows how a U. S. Coast Guard ocean station vessel uses an "expanding search pattern," and an SAR plane an aerial "ladder pattern," to locate the survivors of a ditched plane.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Secondary survey, control points, and hydrographic developments (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.
18 min., sd., color, 16 mm. (Hydrographic surveying operations of the Navy series)
Order no. MN 6755-b.
Summary: Describes secondary signals building, sounding and wire dragging operations, tide and current observations, photogrammetric compilation, magnetic observations, and other miscellaneous survey work.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Secondary uses of the astro-compass (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
25 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-422.
Summary: Describes how the astro-compass is used to determine deviation correction using the astrograph, to steer a required heading, and to identify a star.
Borrow from AF.

Sectional views and projections, finish marks (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
15 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 4)
Order no. OE 54.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Dimension, center, cross-section, and object lines; projection of a sectional view; uses of finish marks; and meanings of standard cross-section lines.

Buy from NF.

Sectional views and projections, finish marks (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

29 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 4)

Order no. OE 54-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Security and refueling with safety (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

31 min., sd., b&w, 16 mm. (Fundamentals of patrol plane handling series)

Order no. MN 1338-a.

Summary: Explains precautions to be observed in refueling and oiling a plane both at and away from its base; and shows the procedure for securing a plane on shore.

Borrow from Navy. *Buy from* NF.

Security control: You never can tell (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1951.

36 min., sd., b&w, 16 mm.

Order no. MN 6947.

Summary: Explains the elements of security by following a naval security officer through the offices, laboratory, and production plant of a manufacturer producing a classified device for the U. S. Navy.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Security through seapower (*Motion picture*) U. S. Dept. of the Navy, 1958.

10 min., sd., color, 16 mm.

Order no. MN 8964.

Summary: Depicts present naval capabilities by showing attack carrier operations, missile launching aircraft, air to air refueling by R3Y, missile launching submarine, nuclear powered submarine, guided missile cruiser, and some ASW weapons.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Seguridad en el taller (*Motion picture*) U. S. Office of Education [1959?]

12 min., sd., b&w, 16 mm.

Order no. OE 461-Sp.

Spanish version of the 1944 motion picture entitled Safety in the shop.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Dramatizes three typical shop accidents and shows how poor supervision or inadequate training may have been the real cause of the accidents.

Buy from NF.

Seizure: The medical treatment and social problems of epilepsy (*Motion picture*) U. S. Veterans Administration, 1951.

48 min., sd., b&w, 16 mm.

Summary: Explains the diagnostic and therapeutic treatment of epilepsy through a dramatized story of an epileptic veteran, the background of his condition, and his treatment in a Veterans Administration hospital. Describes the physiological basis of epilepsy, clinical manifestations of common types of seizures, and socio-economic problems facing an epileptic.

Borrow from VA. *Buy from* NF. *Cleared for tv.*

Selecting and judging breeding hogs (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

31 fr., b&w, 35 mm.

Order no. 142.

With lecture notes.

Summary: Shows how to score various parts of lard- and bacon-type hogs. Illustrates good and bad points of each type.

Buy from PhotoLab.

[**Selecting hens for egg production**] (*Motion picture*) U. S. Dept. of Agriculture, 1950.

5 min., sd., b&w, 16 mm.

Summary: Explains the principles and importance of selecting "producers" among laying hens; shows desirable and undesirable birds and the best culling practices. Prepared primarily for television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Selecting hens for egg production (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

55 fr., b&w, 35 mm.

Order no. 128.

With lecture notes.

Summary: How to recognize the laying hen; how molting and bleaching index egg production; and how to improve flock by selective breeding.

Buy from PhotoLab.

Selecting meals for all occasions (*Filmstrip*) U. S. Public Health Service, 1950.

52 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 11)

Order no. 5-151.

Summary: Shows how a diabetic person can select the right foods to eat in different situations; and explains howto use the "meal plan" and "exchange lists" in planning meals, when the patient is ill, taking lunch to work, going on a picnic, eating at a friend's home, and eating in a restaurant.

Borrow from PHS. *Buy from* NF.

Selecting your Christmas tree (*Motion picture*) U. S. Dept. of Agriculture, 1954.

7 min., sd., b&w, 16 mm.

Revision of 1953 film with the same title.

Summary: Shows how to select a Christmas tree, and the proper care of it in the home. For television use.

Borrow from DA-MPS. *Cleared for tv.*

Self-elevating spud type barge (*Motion picture*) U. S. Army Engineers, 1954.

13 min., sd., color, 16 mm.

Summary: Shows by animation the operation of a self-elevating spud-type barge, and the behavior of the barge under varying conditions of wind and waves at Hampton Roads.

Borrow from Eng. *Cleared for tv.*

Self-preservation in an atomic bomb attack (*Motion picture*) U. S. Dept. of Defense, 1951. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1951.

10 min., sd., b&w, 16 mm.

Order no. AFSR 128.

Summary: Explains individual methods of self-preservation in an A-bomb attack; how Army, Navy, and Air Force servicemen protect themselves in three common situations; methods of protection for air or underwater explosions; and shows the relative effects of blast, heat, and radiation. Produced under the supervision of the Armed Forces Special Weapons Project.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Self-sealing fuel cells: Fitting replacement (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm.

Order no. MN 4318-e.

Summary: Explains how to locate, remove, and replace a damaged fitting; shows the tools, materials, and equipment necessary.

Borrow from Navy. *Buy from* NF.

Self-sealing fuel cells: Installation, maintenance, and inspection (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., b&w, 16 mm.
Order no. MN 4318-c.
Summary: Preflight, fuel strainer, capacity, and visual interior inspections; how the cell is removed from a plane; inspected; and a new one installed after specified period of use.

Borrow from Navy. *Buy from* NF.

Self-sealing fuel cells: Manufacture and usage (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm.
Order no. MN 4318-a.
Summary: Manufacture of a self-sealing fuel cell: cutting, fitting, and shellacking of cardboard cell; fitting rubber layer; applying nylon, sealant, retainer, and buna inner lining; vulcanizing; and jig testing.

Borrow from Navy. *Buy from* NF.

Self-sealing fuel cells: Packing, stowage and handling (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
5 min., sd., b&w, 16 mm.
Order no. MN 4318-b.
Summary: Describes how to unpack, store, crate, and stack self-sealing fuel cells; construct a crate for a cell; pad and store it.

Borrow from Navy. *Buy from* NF.

Self-sealing fuel cells: Repairs (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm.
Order no. MN 4318-d.
Summary: Demonstrates how to make a side and corner repair on a self-sealing fuel tank and how to repair split seams and blisters.

Borrow from Navy. *Buy from* NF.

Semiautomatic and hand molding of intricate parts (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Plastics series, no. 6)
Order no. OE 471.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mold a part with undercuts; mold a part with complicated shape; and assemble and disassemble a hand mold.

Buy from NF.

Semiautomatic and hand molding of intricate parts (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
40 fr., b&w, 35 mm. (Plastics series, no. 6)
Order no. OE 471-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

La semilla de oro (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.
11 min., sd., color, 16 mm.
Spanish version of The grain that built a hemisphere.
Summary: Traces the history of corn and its importance in the development of civilization; and describes its uses today.

Buy from NF. *Cleared for tv. Prior authorization required.*

Sensitive drill series
see Machine shop work series. Operations on the drill press. Sensitive drill

Sentinels in the air (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. SFP 481.
Summary: Emphasizes the role that U. S. Air Force Reservists play in the defense of their country, and shows activities at Air Reserve centers and flying centers.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Sentries of the sea lanes (*Motion picture*) U. S. Coast Guard, 1954.
28 min., sd., color, 16 mm.
Summary: Shows how the Coast Guard operates and maintains the 22,000 buoys that mark the coastal and inland waterways of the United States and its outlying possessions.

Borrow from CG. *Buy from* NF. *Cleared for tv.*

Sgt. MacDuff, salesman (*Motion picture*) U. S. Dept. of the Army, 1955.
19 min., sd., b&w, 16 mm.
Order no. MF 20-8410.
Summary: Presents four steps for recruitment of men into the Army: understanding the job, finding the prospect, understanding the prospect's motives, and presenting the Army's selling points that appeal to the prospect's motives. An animated film, for U. S. Army recruiters.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Series and parallel circuits (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
8 min., sd., b&w, 16 mm. (Radio technician training series. Elementary electricity)
Order no. MN 1540-v.
Supplemented by filmstrip with the same title.
Summary: Illustrates series and parallel circuits, explaining current flow and voltage drop across each lamp.

Borrow from Navy. *Buy from* NF.

Series and parallel circuits (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
26 fr., b&w, 35 mm. (Radio technician training series. Elementary electricity)
Order no. SN 1540-av.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Serological technique: Venipuncture (*Motion picture*) U. S. Dept. of the Navy, 1954.
7 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MN 9875-c.
Summary: Demonstrates how to take a blood sample from the arm.

Borrow from Navy. *Buy from* NF.

Service plus (*Motion picture*) U. S. Dept. of Defense, 1950.
19 min., sd., b&w, 16 mm.
Order no. AFIF 4.
Summary: Dramatizes integrity as the keynote of character in the modern serviceman, and emphasizes the moral qualities to be observed by servicemen.
Borrow from Army. *Cleared for tv.*

Service to the fleet (*Motion picture*) U. S. Dept. of the Navy, 1956.
14 min., sd., b&w, 16 mm.
Order no. MN 8079.
Summary: Describes how the U. S. Navy is supplied by the service forces for continuous operations at sea, and shows mobile logistic support in action.

Borrow from Navy. *Buy from* NF.

Service to those who served (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

16 min., sd., color, 16 mm.

A revision of the 1946 motion picture of the same title.

Summary: Portrays and explains the overall activities and services of the U. S. Veterans Administration, including insurance, claims, hospitals, and rehabilitation.

Borrow from VA. *Buy from* NF. *Cleared for tv.*

Service with distinction (*Motion picture*) U. S. Public Health Service, 1959.

11 min., sd., color, 16 mm.

Order no. M 302

Revision of the 1956 motion picture of the same title.

Summary: Describes the activities of the U. S. Public Health Service, reviews its achievements, and explains the opportunities for professional careers in the commissioned corps and commissioned reserve.

Borrow from PHS. *Buy from* NF.

Servicing a propeller (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

18 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 277.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to inspect and remove a propeller; repair damage to the metal edges; check and correct for out-of-track and for out-of-balance; and reinstall the propeller.

Buy from NF.

Servicing a propeller (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

52 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 277-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Servicing an airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

17 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)

Order no. OE 279.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to perform the various routine servicing operations on a light airplane including cleaning an airplane, refueling, changing oil, inflating tires, and starting the engine.

Buy from NF.

Servicing an airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

43 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)

Order no. OE 279-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Servicing and timing magnetos (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

16 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 266.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to remove magnetos from the engine; install and adjust new points; and reinstall and time the magnetos.

Buy from NF.

Servicing and timing magnetos (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

40 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 266-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Servicing Army aircraft in extreme climatic conditions, part 2: Desert areas (*Motion picture*) U. S. Dept. of the Army, 1963.

16 min., sd., b&w, 16 mm.

Order no. TF 46-3233

Summary: Explains the problems of aircraft maintenance in desert areas, and describes the techniques related to servicing aircraft under such climatic conditions. Emphasizes maintenance measures employed in desert areas, including construction and use of special run-up areas; avoidance of unnecessary engine operation for taxiing; maintaining suitable parking sites; servicing air filters; protecting aircraft openings from sand; frequent oil checks; tool cleanliness; improvisation of work shelters; and refueling precautions.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Servicing hydraulic systems (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

51 fr., b&w, 35 mm.

Order no. SN 2000.

Summary: Demonstrates the principles, construction, and operation of the hydraulic system of an airplane. Stresses servicing procedures.

Borrow from Navy. *Buy from* NF.

Servicing spark plugs and ignition wiring (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

22 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 265.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to remove the spark plugs and ignition wires; clean, inspect, and adjust spark plugs; prepare new ignition wires; and reinstall the spark plugs and ignition wires.

Buy from NF.

Servicing spark plugs and ignition wiring (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

50 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 265-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Servicing water-cooled condensers (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

12 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 4)

Order no. OE 451.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Theory of a counter-flow condenser; essential elements of a water-cooled system; and operation of the electric water valve and how to regulate it.

Buy from NF.

Servicing water cooled condensers (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

37 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 4)

Order no. OE 451-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Serving food (*Motion picture*) U. S. Public Health Service, 1954.

11 min., sd., color, 16 mm.

Order no. M 148-f.

Summary: Portrays the hiring of a waitress and shows the orientation and induction training given to her by a restaurant hostess, including instruction in the proper storage of cups, dishes, and glasses; cleanliness; correct ways of clearing tables; protecting the waitress's health; safeguarding against disease; and the development of satisfactory personal habits by food service personnel.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Serving the merchant marine (*Motion picture*) U. S. Coast Guard, 1944.
28 min., sd., b&w, 16 mm.
Summary: Shows how the U. S. Coast Guard helped protect the U. S. Merchant Marine during World War II. Includes scenes of the war against U-boats, and of the rescue of torpedoed ship survivors.
Borrow from CG.

Serving the nation (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., b&w, 16 mm.
Order no. AFIF 7.
Summary: Explains the armed forces' activities in peacetime, role in local disasters, and contributions of research activities.
Borrow from Army. Buy from NF. Cleared for tv.

The setting of endemic schistosomiasis in Puerto Rico (*Motion picture*) U. S. Public Health Service, 1948.
4 min., si, b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-065.
Summary: Illustrates three characteristic infection patterns of endemic schistosomiasis in Puerto Rico: pollution of a river, a brook, and sugar cane irrigation ditches by inadequate sewage disposal systems.
Borrow from PHS.

Setting up and machining bar stock (*Motion picture*) U. S. Office of Education, 1945. Made by Industrial Film Guild.
34 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 4)
Order no. OE 215.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to set up the turret lathe for the production machining of bushings from bar stock; install the collet; set up the hexagon turret and the cross slide; and machine bar stock.
Buy from NF.

Setting up and machining bar stock (*Filmstrip*) U. S. Office of Education, 1945. Made by Industrial Film Guild.
58 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 4)
Order no. OE 215-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Setup for face milling with a fixture (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
39 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 1)
Order no. OE 225.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How the horizontal boring, drilling, and milling machine operates; how to install the fixture; set up the workpiece; select and install an end mill and a face mill.
Buy from NF.

Setup for face milling with a fixture (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
37 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 1)
Order no. OE 225-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Setup for rough line-boring (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 4)
Order no. OE 228.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to position the workpiece on the table; position the spindle for horizontal centers and for vertical centers.
Buy from NF.

Setup for rough line-boring (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
35 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 4)
Order no. OE 228-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Seven letters (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., color, 16 mm.
Order no. SFP 357.
Summary: Portrays a jet pilot who is nearing the close of his Air Force tour of duty and must choose between a civilian or Air Force career. He reaches a decision as he realizes the real purpose of his job as an Air Force pilot.
Borrow from AF. Buy from NF. Cleared for tv.

The Seventh Fleet (*Motion picture*) U. S. Dept. of the Navy, 1957.
12 min., sd., b&w, 16 mm.
Order no. MN 8078
Summary: A documentary about the operations and actions of the Seventh Fleet from August, 1949 to 1957.
Borrow from Navy. Buy from NF. Cleared for tv.

Seventh Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949.
22 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-7533.
Summary: Shows the training of the 7th Infantry Division at Ft. Ord, Calif.; action of the Division in four major campaigns—Attu, Leyte, Kwajalein, and Okinawa; and occupational duties in Korea.
Borrow from Army. Buy from NF. Cleared for tv.

The sextant (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
44 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-g, formerly SG 3883-g.
Summary: Explains the use of the standard sextant and its differences from the micrometer sextant; and demonstrates the procedure for measuring the altitude of the sun.
Buy from NF.

The sextant, surface (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
32 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-i.
Summary: Demonstrates the proper procedure for handling the sextant and making observations.
Borrow from Navy. Buy from NF.

Shackles for the giant (*Motion picture*) U. S. Army Engineers, 1956.
25 min., sd., color, 16 mm.
Revision of the 1951 motion picture of the same title.
Summary: Shows the development and details of the present flood-control plan in the lower alluvial valley of the Mississippi River.
Borrow from Eng. Cleared for tv.

Shades of gray (*Motion picture*) U. S. Dept. of the Army, 1948.
66 min., sd., b&w, 16 mm.
Order no. PMF 5047.
Summary: Portrays through dramatized situations and case histories various mental disorders experienced by soldiers during training and combat ranging from mild anxiety states to severe depressive reactions and paranoid psychoses; traces the life patterns of each affected soldier and relates his early familial and environmental experiences to the circumstances which precipitate his mental breakdown; demonstrates methods of psychotherapy, including emotional catharsis, narcoanalysis, hypnotic suggestions, and group therapy; and makes the point that in terms of mental health, no one is either "black" or "white"; everyone is a "shade of gray."
Borrow from Army. Buy from NF.

The shaper (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)
Order no. OE 70.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Functions, characteristics, and basic operations of the shaper.
Buy from NF.

The shaper (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
57 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1-7.
Summary: Explains the nomenclature, practical uses, and operation of the shaper.
Borrow from AF. *Buy from* NF.

The shaper (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
40 fr., b&w, 35 mm. (Machine shop work series. Basic machines)
Order no. OE 70-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The shaper
see also
El cepillo limador

Shaping after template and shaping curved edges (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the spindle shaper, no. 2)
Order no. OE 319.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to make a template for the job; install knives in the spindle; use the template when smoothing squared edges; set up equipment for shaping a curved edge; and shape a curved edge.
Buy from NF.

Shaping after template and shaping curved edges (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
39 fr., b&w, 35 mm. (Precision wood machining series. Operations on the spindle shaper, no. 2)
Order no. OE 319-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Share a proud tradition (*Motion picture*) U. S. Marine Corps, 1958. Made by Pathescope Co. of America.
15 min., sd., b&w, 16 mm.
Order no. MH 8485.
Summary: Describes the training program, various duty assignments, types of uniforms, and the religious, recreational, educational and social opportunities available to women marines.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Sharpening a form relieved cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 5)
Order no. OE 93.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: What constitutes the rake angle and the clearance angle of the form relieved cutter; how to mount the correct attachment; set up for spotting the back of the teeth; and grind the face of the teeth.
Buy from NF.

Sharpening a form relieved cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
27 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 5)
Order no. OE 93-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sharpening a plain helical milling cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 2)
Order no. OE 91.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to mount the helical cutter on an arbor; sharpen the secondary clearance angle; and check and adjust for taper when grinding the primary clearance angle.
Buy from NF.

Sharpening a plain helical milling cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 2)
Order no. OE 91-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sharpening a shell end mill (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 3)
Order no. OE 92.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to select the correct arbor; mount the work head; adjust the work head for clearance settings; and set up for sharpening the outside diameter, corner, and face.
Buy from NF.

Sharpening a shell end mill (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
25 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 3)
Order no. OE 92-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sharpening a side milling cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 1)
Order no. OE 90.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to identify the parts of a cutter; select and mount the correct grinding wheel; mount the cutter; set up the grinder for sharpening; set the correct clearance angle; and check for width of land.
Buy from NF.

Sharpening a side milling cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
59 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 1)
Order no. OE 90-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Sharpening an angular cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 4)

Order no. OE 94.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to choose the correct grinding wheel; adjust the swivel table for grinding the angular teeth of the cutter; adjust for clearance angle; and check the teeth for accuracy of the angle.

Buy from NF.

Sharpening an angular cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

31 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 4)

Order no. OE 94–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Sharpening and tempering farm tools (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

17 min., sd., b&w, 16 mm. (Farm work series. Forging, no. 3)

Order no. OE 193.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to heat carbon steel tools for forge sharpening; sharpen, harden, and temper a plowshare and a cultivator shovel; and identify tempering colors.

Buy from NF.

Sharpening and tempering farm tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

34 fr., b&w, 35 mm. (Farm work series. Forging, no. 3)

Order no. OE 193–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Sharpening hand gravers (*Motion picture*) U. S. Veterans Administration, 1949.

5 min., sd., b&w, 16 mm. (Light mechanics series, no. 1)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Demonstrates how to sharpen a hand graver on an oil stone and then on an Arkansas stone.

Borrow from VA. *Buy from* NF.

Sharpening jewelers' screwdrivers and tweezers (*Motion picture*) U. S. Veterans Administration, 1949.

6 min., sd., b&w, 16 mm. (Light mechanics series, no. 4)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Demonstrates how to sharpen a jeweler's screwdriver on an oil stone and how to loosen, square, and sharpen tweezers.

Borrow from VA. *Buy from* NF.

A sharper sword and a stronger shield (*Motion picture*) U. S. Dept. of the Army, 1959.

45 min., sd., b&w, 16 mm.

Order no. MF 20-9040a.

Summary: Shows the new type Army weapons, both nuclear and conventional; describes developments in air and ground equipment; and discusses firepower, mobility, communications and surveillance, and support. Contains an introduction by Major General H. P. Storke, Chief of Information, Department of the Army.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Sheep shearing (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

21 min., sd., b&w, 16 mm. (Farm work series. Livestock, no. 1)

Order no. OE 199.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to handle sheep for shearing; shear the sheep step-by-step; and roll and tie the fleece.

Buy from NF.

Sheep shearing (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

52 fr., b&w, 35 mm. (Farm work series. Livestock, no. 1)

Order no. OE 199–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The sheet bend (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.

Order no. MCG 301, formerly MG 2317–a.

Supplementary filmstrip of same title also available.

Summary: Explains that the sheet bend is a variation of the square knot and shows the procedure for tying it properly.

Buy from NF.

The sheet bend (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

25 fr., b&w, 35 mm.

Order no. SCG 301, formerly SG 2317–b.

Supplements motion picture of same title.

Summary: Repeats three times the three steps used in tying the sheet bend.

Buy from NF.

Sheetmetal work series
see Shipbuilding skills series. Sheetmetal work

Shell egg grading (*Filmstrip*) U. S. Dept. of the Army, 1956.

52 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 22 min.

Order no. SFS 8–195.

Summary: Describes 8 grades of shell eggs (AA, A, B, C, check, dirty, leaker, and loss) and the grading factors (shell, air cell, white, and yolk) Defines the requirements of each factor, illustrating the identifying features of each grading gauge from the highest to the poorest quality. Also illustrates quality characteristics of cooked eggs.

Borrow from Army.

Shell mounds in the Tennessee Valley (*Motion picture*) U. S. Tennessee Valley Authority, 1937.

21 min., si., b&w, 16 mm.

Summary: Shows the prehistoric shell mounds found in excavation of the Pickwick Landing Dam area.

Borrow from TVA. *Buy from* TVA. *Cleared for tv.*

Shield against invasion (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., color, 16 mm.

Order no. SFP 623.

Summary: Emphasizes the necessity of constantly evaluating the effectiveness of our aircraft and weapons and shows how these evaluations are accomplished.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Shine the boot (*Motion picture*) U. S. Coast Guard, 1956.

13 min., sd., color, 16 mm.

Summary: A public information film showing activities of recruits during their first three months' training at the U. S. Coast Guard Receiving Center, Cape May, N. J.

Borrow from CG. *Cleared for tv.*

Ship design for tomorrow (*Motion picture*) U. S. Dept. of the Navy, 1959.

25 min., sd., color, 16 mm.

Order no. MN 8610.

Summary: Explains the professional opportunities, career advantages, and working environment in the U. S. Navy's Bureau of Ships and in its field activities.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Shipboard helicopter operations: Functions (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.
8 min., sd., color, 16 mm.
Order no. MN 7410-b.
Summary: Discusses the principal missions of the helicopter aboard ship: as plane guard, in rescues and during mail transfers.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Shipboard helicopter operations: Landing and take-offs (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.
7 min., sd., color, 16 mm.
Order no. MN 7410-a.
Summary: Shows procedures to be followed in helicopter landings and take-offs during shipboard operations.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Shipboard inspection by medical department personnel: Food preparation (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
25 min., sd., b&w, 16 mm.
Order no. MN 8238-d.
Summary: Shows how to make an inspection of the various areas of possible contamination in the preparation of food aboard ship. Discusses sanitary equipment and spaces, sanitary personnel, and sanitary work habits. Designed primarily for use of medical officers and hospital corpsmen.
Borrow from Navy.

Shipboard inspection by medical department personnel: Food serving (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
13 min., sd., b&w, 16 mm.
Order no. MN 8238-e.
Summary: Shows how to make an inspection of such food-serving areas as the messing areas, serving line, and the scullery. Designed primarily for use of medical officers and hospital corpsmen.
Borrow from Navy.

Shipboard inspection by medical department personnel: Food storage (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
12 min., sd., b&w, 16 mm.
Order no. MN 8238-c.
Summary: Shows how to make a sanitary inspection of the storage of food aboard ship. Covers such subjects as cleanliness, air circulation, temperature, and stowage. Designed primarily for use of medical officers and Navy hospital corpsmen.
Borrow from Navy.

Shipboard inspection by medical department personnel: Living and working spaces (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
20 min., sd., b&w, 16 mm.
Order no. MN 8238-b.
Summary: Shows what and how to inspect in order to insure good conditions of sanitation, ventilation, lighting, and safety in the living and working spaces of a ship. Points out the need for tact and judgment in personnel relations. Designed primarily for use of medical officers and Navy hospital corpsmen.
Borrow from Navy.

Shipboard inspection by medical department personnel: Water supply (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
21 min., sd., b&w, 16 mm.
Order no. MN 8238-a.
Summary: Shows how and where to inspect a ship's fresh-water supply at the points of possible contamination; demonstrates a procedure for chlorination. Designed primarily for use by medical officers and Navy hospital corpsmen.
Borrow from Navy.

Shipboard training series
see
Learning by doing

Shipboard vibrations. Part 1: Fundamental principles of vibrating systems (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
22 min., sd., b&w, 16 mm.
Order no. MN 9180-a.
Summary: Explains basic concepts and principles including longitudinal and torsional vibrations, free and forced vibrations, the time relationship between the force cycle and the amplitude cycle, and the phase angle diagram.

Borrow from Navy. *Buy from* NF.

Shipboard vibrations. Part 2: Multi-mass systems (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
23 min., sd., b&w, 16 mm.
Order no. MN 9180-b.
Summary: Explains basic concepts including those of a uniform system, a lumped system, modes of vibration, relative amplitudes, harmonic analysis, orders of vibration, and critical speeds.

Borrow from Navy. *Buy from* NF.

Shipboard vibrations. Part 3: Vibration, excitation, and response (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
15 min., sd., b&w, 16 mm.
Order no. MN 9180-c.
Summary: Shows, through models, vibration excitation in the propulsion machinery due to unbalance and to propeller thrust variation and the response of the ship's structure to this excitation; explains through vector representation how propeller thrust variation provides excitation; and demonstrates the necessity for taking vibrations into account in ship design.

Borrow from Navy. *Buy from* NF.

Shipboard vibrations. Part 4: Service problems and field investigation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
13 min., sd., b&w, 16 mm.
Order no. MN 9180-d.
Summary: Explains how to report shipboard vibration problems, how they are diagnosed and remedied by vibration engineers, and how vibration study as preventive engineering contributes to overall ship design and performance.

Borrow from Navy. *Buy from* NF.

Shipbuilders of Essex (*Motion picture*) U. S. Dept. of State, 1949. Made by Joseph Krumgold. Released for educational use in the United States through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
Summary: Portrayal of New England craftsmen and their skill in the building of wooden ships in Essex, Mass., illustrated through the construction of a 70-foot trawler, the St. Rosalie. Prepared for overseas use.

Buy from NF.

Shipbuilding skills series
see
The blacksmith: Calculating and bending rings and links
The blacksmith: Calculating and forging a deck socket wrench
The coppersmith: Flaring and reducing
The coppersmith: Working out branches from a line
Docking with keel and bilge blocks
Establishing construction lines, part 1
Establishing construction lines, part 2
Preparation for docking with keel and bilge blocks
Preparation for stern launching, DD445 class
Reconditioning a cylinder with a portable boring bar
Ship's blueprints: Basic
Stern launching, DD445 class

Shipbuilding skills series. Coppersmithing
see
- Bending copper tubing to a wire template
- Brazing flanges with silver solder
- Brazing flanges with spelter
- Tinning and solder wiping

Shipbuilding skills series. Marine electricity
see
- Identifying and precutting cable
- Installing and connecting telltale panel
- Laying out and installing compartment fixtures
- Laying out and installing kickpipes and stuffing tubes
- Laying out and installing main wireway
- Pulling and installing cable and packing terminal tubes
- Wiring telltale panel

Shipbuilding skills series. Marine machinery installation
see
- Aligning and installing auxiliary machinery
- Filing and installing chocks
- Fitting tube, shaft, and propeller
- How to check and surface foundations
- Installing valves and strainer on sea chest
- Laying off bulkheads
- Laying out, drilling, and tapping flanges on sea chest
- Running a permanent line and boring
- Running a temporary line

Shipbuilding skills series. Nomenclature of ships
see
- Fundamental lines and sections
- Location of decks and compartments

Shipbuilding skills series. Outside machinist
see
- Milling a foundation
- Reciprocating pump opening for inspection

Shipbuilding skills series. Pipe insulation
see
- Covering hot and cold pipes

Shipbuilding skills series. Pipefitting
see
- Cutting and threading pipe by hand
- Cutting and threading pipe on a power machine
- Installing valves in engine room systems, part 1
- Installing valves in engine room systems, part 2
- Installing vitreous fixtures
- Laying out and installing hangers
- Making a cold bend on a hand powered machine
- Measuring pipe, tubing, and fittings
- Pipe fabrication with jigs

Shipbuilding skills series. Pipefitting (U. S. Navy Dept.)
see
- Fitting and installing a section of pipe aboard ship
- Making a hot bend
- Making a wire template
- Removing a section of piping aboard ship

Shipbuilding skills series. Preparation for stern launching
see
- Fitting and installing packing
- Fore poppets and internal shoring construction
- Ground ways
- Placing sliding ways

Shipbuilding skills series. Rigging
see
- Rigging blocks
- Rigid and swinging staging
- Slinging load
- Use and care of fiber rope
- Use and care of wire rope
- Wire rope terminal connections

Shipbuilding skills series. Sailmaking
see
- Hatch canopy. Part 1: Measuring and drawing
- Hatch canopy. Part 2: Layout
- Hatch canopy. Part 3: Machining and finishing-off

Shipbuilding skills series. Sheetmetal work
see
- The transition piece: Square to round layout and fabrication
- Vaned elbow: Layout and fabrication
- Watertight covers. Part 1: Layout and fabrication
- Watertight covers. Part 2: Assembly

Shipbuilding skills series. The shipfitter
see
- Lifting templates for a foundation
- Simple foundation. Part 1: Layout
- Simple foundation. Part 2: Duplication and fabrication
- Simple foundation. Part 3: Assembly and installation

Shipbuilding skills series. Work of shipfitter and shipwright
see
- The bulkhead: Laying off and fitting a centerline stiffener
- The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines
- The bulkhead: Setting a transverse watertight bulkhead into the hull
- Deck girders: Subassembly
- Deck plates: Regulating and setting
- The deck: Setting a web frame and transverse beam

6

Shipbuilding skills series. Work of shipfitter and shipwright (Continued)
  Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor
  The innerbottom: Setting up floors and longitudinals
  Preparing and setting a keelblock and bottom cradle
  Side frames: Subassembly of a web frame

The shipfitter series
  see Shipbuilding skills series. The shipfitter

Shipment of household goods (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sarra, inc. Released for public educational use through U. S. Office of Education, 1954.
14 min., sd., b&w, 16 mm.
Order no. FN 9173.
Summary: Explains the methods and procedures used in the shipment of household goods of U. S. Navy personnel and the responsibilities of shipping officers in this operation.
Borrow from Navy. *Buy from* NF.

Shipment to Saratoga (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFSM 559.
Summary: Describes the historic Battle of Saratoga, in 1777, between the Continental Army and the British, including the events leading up to the battle, the tactical maneuvers, and the results of the American victory. Explains how the arms and supplies shipped by the French company, Hortalez et cie, contributed to the success at Saratoga.
Borrow from Army. *Cleared for tv.*

Ship's blueprints: Basic (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2335-a.
Supplementary filmstrip of same title also available.
Summary: Explains how to identify fundamental structural elements in ship construction by orthographic drawings and symbols, to visualize these drawings in three dimensions, to understand use and function of dotted and hidden lines, and to read a ship's blueprints.
Borrow from Navy. *Buy from* NF.

Ship's blueprints: Basic (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.
92 fr., b&w, 35 mm. (Shipbuilding skills series)
Order no. SN 2335-m.
Supplements the motion picture of the same title.
Borrow from Navy. *Buy from* NF.

Ships, men, and ice (*Motion picture*) U. S. Dept. of the Navy, 1953.
22 min., sd., color, 16 mm.
Order no. MN 7419-a.
Summary: Traces the history of Arctic exploration, particularly as related to the development of ships for use in frozen Arctic seas, from the fragile ships of Pythias and Eric the Red to modern icebreakers.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Ship's nomenclature (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm.
Order no. MCG 108, formerly MG 2299.
Summary: Shows the location and explains the terminology of the various parts of a Coast Guard cutter—the bow, stern, portside, starboard side, amidships, and bridge.
Buy from NF.

Ships' propulsion transmission system: Clutches and couplings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
114 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 25 min.
Order no. SN 2248-a.
Summary: Explains the main units and operational principles of the mechanical fluid, electromagnetic, and disc clutches; and traces the flow of power from engine to propeller.
Borrow from Navy. *Buy from* NF.

Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
77 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SN 2248-b.
Summary: Explains the uses and operating principles of several types of gears and bearings, particularly reduction gears, reversing gears, thrust bearings, and propeller shaft bearings.
Borrow from Navy. *Buy from* NF.

Ship's pumps (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
59 fr., b&w, 35 mm.
Order no. SCG 118, formerly SG 1775.
Summary: Explains the general principles and uses of pumps and pumping machinery; and shows different kinds of pumps.
Buy from NF.

Shirodkar operation (*Motion picture*) U. S. Dept. of the Army, 1961.
18 min., sd., color, 16 mm.
Order no. PMF 5333.
Summary: Describes the principles and surgical technique of the Shirodkar operation designed to correct cervical incompetency, demonstrating the operation on a 33-year-old woman, 18 to 20 weeks pregnant.
Borrow from Army.

Shop safety (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
28 min., sd., b&w, 16 mm.
Order no. TF 9-2085.
Summary: Discusses the causes and prevention of accidents, and safety rules which apply to arc and gas welding, hoisting methods, working with machinery and on engines, use of tools, lifting and pushing heavy objects, and handling of gasoline.
Borrow from Army. *Buy from* NF.

Showcase for freedom (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1959.
14 min., sd., color, 16 mm.
Summary: Describes United States participation in international trade fairs and shows scenes of the exhibits presented at the 1958 fairs in Izmir, Milan, Poznan, Tunis, Vienna, and Zagreb.
Borrow from DC-OTF.

Shrimp please (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the shrimp industry of Louisiana and Mississippi, 1954. Made by Byron, inc.
21 min., sd., color, 16 mm.
Summary: Shows the methods used by the Louisiana and Mississippi shrimp industry in catching and processing shrimp, including freezing, breeding, drying, and canning. Describes how to purchase, prepare, and serve shrimp.
Borrow from FWS. *Cleared for tv. Prior authorization required.*

Shrimp tips from New Orleans (*Motion picture*) U. S. Fish and Wildlife Service, 1956.
14 min., sd., color, 16 mm.
Summary: Describes New Orleans' reputation for cookery, and shows the preparation of six recipes using shrimp—creole, gumbo, pizza, etc.
Borrow from FWS. *Cleared for tv. Prior authorization required.*

Sicily to Naples (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
13 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR-C-2.
Summary: The role of the American 6th Corps (5th Army) and the British 10th Corps in the invasion of Italy in World War II. Includes captured German film footage to show action on both sides.
Borrow from Army. *Buy from* NF.

Side frames: Subassembly of a web frame (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 4)
Order no. OE 27.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to lay out the main web plate from a template; fit stiffeners to the web plate; and dog the stiffeners to the plate for welding.
Buy from NF.

Side frames: Subassembly of a web frame (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.
45 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 4)
Order no. OE 27-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The Signal Corps prepares (*Motion picture*) U. S. Dept. of the Army, 1960.
16 min., sd., color, 16 mm.
Order no. MF 11-8979.
Summary: Discusses the objectives of the Signal Corps production base program—to produce communication and electronic items required by the military establishment, to prove mass production feasibility, to develop substitutes for critical items, to bring down costs—and explains how these objectives are being fulfilled through production engineering contracts.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Signal generator operation (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
9 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-q.
Summary: Shows in detail how to use a signal generator to align a radio receiver.
Borrow from Navy. *Buy from* NF.

Signals for missiles (*Motion picture*) U. S. Dept. of the Army, 1958.
21 min., sd., color, 16 mm.
Order no. MF 11-8924.
Summary: Describes the operations of the U. S. Army Signal Agency at White Sands Proving Ground and the part it plays in guided missile research and development. Shows the equipment, methods, and procedures used in connection with missile control and flight tests, test analysis, and missile geophysics.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The significant years (*Motion picture*) U. S. Dept. of Defense, 1960.
25 min., sd., b&w, 16 mm.
Order no. AFIF 102.
Summary: Presents a review of world events over the last 25 years. Includes the depression in the 1930's; the rise of fascism in Europe; the expansion policy promulgated by Japan, Italy and Germany; World War II; peacetime reconversion; postwar political and economic climate; tensions between world powers and lesser nations; nuclear developments and space research. Suggests that studying the past may help to understand the present and know what to expect in the future.
Borrow from Army.

The silent killer (*Motion picture*) U. S. Dept. of Agriculture, 1959.
12 min., sd., color. 16 mm.
Summary: Describes a project carried out in southern Idaho by Federal and State agencies in bringing under control a spruce budworm epidemic, the silent killer that can wreck forests of spruce and fir.
Rent from DA Film Libraries. *Buy from* NF.

Silent sentinel (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., color, 16 mm.
Order no. MN 9439.
Summary: Explains the basic concept of the fleet ballistic missile program and shows all the necessary steps which the Navy must go through to make the Polaris missile operational.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

A silent servant, Whitney Dam (*Motion picture*) U. S. Army Engineers, 1956.
14 min., sd., color, 16 mm.
Summary: Describes significant features of Whitney Dam and Reservoir, a multipurpose project located in central Texas.
Borrow from Eng. *Cleared for tv.*

Silicate cement (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1947.
18 min., sd., color, 16 mm.
Summary: Demonstrates the importance of incorporating rapidly as much powder as possible into a given quantity of liquid and of protecting the cement from loss or gain of water throughout the hardening period. Shows the effect of technique on such cement properties as setting time, strength, shrinkage, solubility, and staining. For dental personnel.
Borrow from NBS. *Buy from* NBS.

Silver brazing techniques: General methods (*Motion picture*) U. S. Dept. of the Navy, 1953.
15 min., sd., b&w, 16 mm.
Order no. MN 7833-a.
Summary: Demonstrates silver brazing techniques and describes the equipment needed. Shows safety precautions as well as close-ups of the flow of metal.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Silver brazing techniques: Specific applications (*Motion picture*) U. S. Dept. of the Navy, 1953.
15 min., sd., b&w, 16 mm.
Order no. MN 7833-b.
Summary: Gives specific directions for special applications of silver brazing for shipboard use, and shows methods of testing.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Simple anterior closure of colostomy (*Motion picture*) U. S. Dept. of the Army, 1947.
10 min., sd., color, 16 mm.
Order no. PMF 5070.
Summary: Demonstrates an incomplete colostomy of the transverse colon, using a relatively simple closure procedure; stresses the advantages of using an intraperitoneal approach. For medical personnel.
Borrow from Army.

Simple anterior closure of transverse colostomy (right side) (*Motion picture*) U. S. Dept. of the Army, 1947.
23 min., sd., color, 16 mm.
Summary: Explains that right side colostomies are less frequent than left side colostomies, pointing out the similarity in procedures to those followed in anastomosis. Demonstrates typical problems and applicable surgical techniques, and some World War II developments in the surgical management of colostomies. For medical personnel.
Borrow from Army.

Simple calculations for flat layouts (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1944.
64 fr., b&w, 35 mm.
Order no. SN 1635.
Summary: Shows how to calculate and lay out flanges, bends, heads, and seams on metal.
Borrow from Navy. *Buy from* NF.

Simple closure of an abdominal colostomy (intraperitoneal approach) (*Motion picture*) U. S. Dept. of the Army, 1947.

7 min., sd., color, 16 mm.

Order no. PMF 5005.

Summary: Shows an incomplete colostomy of transverse colon, a relatively simple closure procedure, and advantages of the intraperitoneal approach. For medical personnel.

Borrow from Army.

Simple equations and formulas
see Beginning algebra I, lecture 4: Simple equations and formulas

Simple foundation (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

98 fr., b&w, 35 mm. (Shipbuilding skills series. The shipfitter)

Order no. SN 2338–a.

Supplements motion pictures with titles: Simple foundation; part 1, Layout; part 2, Duplication and foundation; part 3, Assembly and installation.

Summary: Explains the layout of a simple foundation; shows how a layout man develops the job from the template; and how the foundation is assembled, welded, and installed aboard ship.

Borrow from Navy. *Buy from* NF.

Simple foundation. Part 1: Layout (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

28 min., sd., b&w, 16 mm. (Shipbuilding skills series. The shipfitter)

Order no. MN 2338–b.

Supplementary filmstrip with title Simple foundation, also available.

Summary: Explains through animation the layout of a simple foundation, and shows a workman performing the actual operations. Explains how to mark the template with necessary directions.

Borrow from Navy. *Buy from* NF.

Simple foundation. Part 2: Duplication and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. The shipfitter)

Order no. MN 2338–c.

Supplementary filmstrip with title Simple foundation, also available.

Summary: Shows how the layout man develops job from the templates. Depicts fastening template to steel plate, marking plate with center punch or painting billing on steel; shows use of shears, burning torch, cold press, and punch.

Borrow from Navy. *Buy from* NF.

Simple foundation. Part 3: Assembly and installation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

23 min., sd., b&w, 16 mm. (Shipbuilding skills series. The shipfitter)

Order no. MN 2338–d.

Supplementary filmstrip with title Simple foundation, also available.

Summary: Shows tack-welding of rings to side plates, tacking of web plate to both side plates, and production welding of the assembly; demonstrates marking location aboard ship, swinging assembly aboard, welding deck and bulkhead after making corrections.

Borrow from Navy. *Buy from* NF.

Simple method for tracheal suction and bronchoscopy (*Motion picture*) U. S. Dept. of the Army, 1961.

11 min., sd., color, 16 mm.

Order no. PMF 5341.

Summary: Describes the clinical requirement and prescribed method for performing safe and effective tracheal suction and bronchoscopy on patients who have undergone pulmonary surgery. Shows the technique used without anesthesia, highlighting insertion of catheter in patient's nose, the passage of catheter through trachea to bronchial area, and the removal of retained secretions. Demonstrates the technique employing anesthesia, giving attention to proper choice and injection of anesthesia, and application of catheter and bronchoscope.

Borrow from Army. *Buy from* NF.

Simple valves (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

65 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Hydraulic valves)

Order no. SN 1800–b.

Summary: Studies five simple hydraulic valves: gate, globe, needle, check, and simple relief. Points out common casualties occurring to these valves and discusses the causes and remedies.

Borrow from Navy.

A simple way to iron a shirt (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New York Extension Service, 1944.

44 fr., b&w, 35 mm.

Order no. 649.

With lecture notes.

Summary: Demonstrates a quick, simple method of ironing men's shirts. Also shows proper washing method, ironing equipment, and the folding of shirts to conserve drawer space.

Buy from PhotoLab.

Simplified serologic identification of Salmonella cultures (*Filmstrip*) U. S. Public Health Service, 1951.

32 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Isolation and identification of *Salmonella and Shigella* cultures series, no. 3)

Order no. 5–171.

Summary: Shows how *Salmonella* cultures are identified by grouping them serologically and confirming them biochemically. For professional personnel.

Borrow from PHS. *Buy from* NF.

Simplified serologic identification of Shigella cultures (*Filmstrip*) U. S. Public Health Service, 1951.

29 fr., color, 25 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Isolation and identification of *Salmonella* and *Shigella* cultures series, no. 2)

Order no. 5–170.

Summary: Shows how *Shigella* cultures are grouped serologically and confirmed biochemically. Treats five groups: *Shigella dysenteriae, flexneri, boydii, sonnei,* and *Alkalescens-dispar*. For scientific personnel.

Borrow from PHS. *Buy from* NF.

Simulogs (*Motion picture*) U. S. Dept. of the Air Force, 1958.

27 min., sd., b&w, 16 mm.

Order no. SFP 532.

Summary: Shows simulation techniques used to develop and evaluate new Air Force logistics systems in the laboratory.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Single-phase and polyphase circuits (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

17 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 1)

Order no. OE 383.

Supplemented by filmstrip with the same title.

With instructor's manual.

Summary: Explains a single-phase synchronous generator; the use of sine curves to illustrate flow changes; a two-phase system and three-phase system; and ways of simplifying wiring.

Buy from NF.

Single-phase and polyphase circuits (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

51 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 1)

Order no. OE 383–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Single point cutting tools series
see Machine shop work series. Single point cutting tools

Single ram vertical surface broaching (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on a broaching machine, no. 2)
Order no. OE 237.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to install broaching inserts for straddle broaching; mount the tool-holder with its assembled broaching tool; mount and adjust the work fixture; and surface-broach at production rate.
Buy from NF.

Single ram vertical surface broaching (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
48 fr., b&w, 35 mm. (Machine shop work series. Operations on a broaching machine, no. 2)
Order no. OE 237-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Single sideband radio: Introduction (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.
19 min., sd., b&w, 16 mm.
Order no. MH 8839.
Summary: Explains the theory of single sideband radio techniques and discusses SSB as compared with AM techniques.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Sixth Fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.
28 min., sd., color, 16 mm.
Order no. MN 7857.
Summary: Explains the formation, composition, and command relationships of SACEUR (office of Supreme Allied Commander, Europe) and the role of the U. S. Navy's Sixth Fleet in SACEUR.
Borrow from Navy. *Cleared for tv.*

Sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 7-1297.
Summary: Scenes of 6th Infantry Division combat operations in New Guinea: securing Maffin Bay area, amphibious landing at Sansapor to build air base, and assault landing at Lingayen Gulf, Luzon.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Skeletal fixation by the Stader splint, fractures of the os calcis (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education. 1948.
12 min., sd., b&w, 16 mm.
Order no. MN 1724-b.
Summary: Explains how to disimpact fragments, restore the tuber joint angle, correct pronation, widening and immobilizing. Shows application of the Stader splint, operation, post-operative X-rays, and care. For medical personnel.
Borrow from Navy. *Buy from* NF.

Skeletal fixation by the Stader splint, fractures of the tibia (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., b&w, 16 mm.
Order no. MN 1724-a.
Summary: Demonstrates features of a Stader splint and its utilization for a fractured tibia. Shows use of special right angle splint for a proximal or distal fracture in which smaller fragment is incapable of holding regular pin bar. For medical personnel.
Borrow from Navy. *Buy from* NF.

Ski Jump II (*Motion picture*) U. S. Dept. of the Navy, 1953.
22 min., sd., color, 16 mm.
Order no. MN 7478.
Summary: Photographic report of Ski Jump II, a U. S. Navy aerial Arctic project of 1952 with the objectives of testing and improving techniques for landing heavy aircraft on ice, investigating ice islands and sea ice conditions, and oceanographic research.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Ski safety (*Motion picture*) U. S. War Dept., 1942.
21 min., sd., b&w, 16 mm.
Order no. TF 7-680.
Summary: Stresses ski safety precautions to be taken in connection with excessive speed, faulty waxing, improperly adjusted bindings and pack equipment. Shows remedies for overheating, sunburn, and snow blindness.
Borrow from Army.

Ski safety: First aid and emergency repair of equipment (*Motion picture*) U. S. War Dept., 1942.
41 min., sd., b&w, 16 mm.
Order no. TF 7-681.
Summary: shows first aid measures for various types of ski accidents, methods of handling and removing the injured, and emergency repair of equipment.
Borrow from Army.

Sky dancers of Papantla (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm. (Mexican fiestas series, no. 4)
Summary: Dance of Los Voladores climaxing the celebration of Corpus Christi at Papantla; typical dances depicting the struggle between good and evil.
Buy from NF.

The sky is no limit (*Motion picture*) U. S. Dept. of the Air Force, 1952.
29 min., sd., b&w, 16 mm.
Order no. SFP 309.
Summary: Scenes at Holloman Air Force Base Missile Test Center showing the planning and preparation for launching the Aerobee rocket. Explains the uses of the rocket for collecting technological data.
Borrow from AF. *Cleared for tv.*

The sky is the limit (*Motion picture*) U. S. War Dept., 1946.
12 min., sd., color, 16 mm.
Order no. MF 8-1249.
Summary: Shows the rehabilitation of an above-the-knee amputee. Compares the walking technique of an individual with two normal extremities with that of an amputee.
Borrow from Army.

The skysweeper: Emplacement and march order (*Motion picture*) U. S. Dept. of the Army, 1954.
14 min., sd., b&w, 16 mm.
Order no. MF 44-8247.
Summary: Demonstrates the steps to be followed in emplacing the "skysweeper," a medium range anti-aircraft gun, and in preparing it for travel.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The slavery issue leads to Southern secession
see American history I, lecture 14: The slavery issue leads to Southern secession

Slide rule operation and application. Part 3: Solving special basic problems (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
38 fr., b&w, 35 mm.
Order no. FS 1-438.
Summary: Demonstrates the use of the slide rule in finding the squares, cubes, square roots, and cube roots of numbers, the area and circumference of a circle, the reciprocals of numbers, and the products of three factors.
Borrow from AF.

The slide rule: Proportion, percentage, squares, and square roots (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

21 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 354.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use the "C" and "D" scales of the slide rule to calculate proportions and percentages; how to read the "A" and "B" scales; and how to calculate squares and square roots.

Buy from NF.

The slide rule: Proportion, percentage, squares, and square roots (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

44 fr., b&w, 35 mm. (Engineering series)

Order no. OE 354–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The slide rule: The "C" and "D" scales (*Motion picture*) U. S. Office of Education, 1943. Made by Loucks and Norling Studios.

24 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 179.

Supplemented by filmstrip with same title.

With instructor's manual.

Summary: Purpose of the slide rule; parts of the rule; how to use the "C" and "D" scales in the multiplication and division of numbers.

Buy from NF.

The slide rule: The "C" and "D" scales (*Filmstrip*) U. S. Office of Education, 1943. Made by Loucks and Norling Studios.

53 fr., b&w, 35 mm. (Engineering series)

Order no. OE 179–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Slinging load (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)

Order no. MN 2340–d.

Summary: Shows how to rig and use slings to handle various types of loads; and explains safety precautions to be observed.

Borrow from Navy. *Buy from* NF.

Slow-motion study of fuel injection and combustion in a Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

35 min., si., b&w, 16 mm.

Order no. TF 15.

With lecture notes.

Summary: Presents slow-motion pictures of injection and combustion of fuel in a compression-ignition engine cylinder, taken at high speed (40,000 frames per second) with the NACA high-speed camera. Visual aspects of compression-ignition engine knock are compared with those of spark-ignition engine knock. For use by technical personnel.

Borrow from NASA.

Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1940.

35 min., si., b&w, 16 mm.

Order no. TF 14.

With lecture notes.

Summary: Shows through high speed pictures (40,000 photographs per second) the manner in which the fuel spray within the combustion chamber penetrates and disintegrates in the dense air, the injection and mixing processes, with the visual difference between normal burning, preignition, and knocking in a single-cylinder, spark-ignition engine. A record film for technical personnel, to be used with NACA Report 704: A high-speed motion picture study of normal combustion, knock, and preignition in a spark-ignition engine, and NACA Report 727: A study by high-speed photography of combustion and knock in a spark-ignition engine.

Borrow from NASA.

Slow-speed flight characteristics of swept-wing aircraft (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Caravel Films.

18 min., sd., b&w, 16 mm.

Order no. MN 8617.

Summary: Shows how slow-speed flight affects the flow of air over swept-wing aircraft and how a stall originates at the wing tips instead of at the wing roots as in conventional wing aircraft.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Small boat disaster prevention (*Motion picture*) U. S. Dept. of the Navy, 1951.

12 min., sd., b&w, 16 mm.

Order no. MN 6824.

Summary: Demonstrates the swamping of a motor whale boat and the procedures to be followed by the officers, crew, and passengers in the event of such an accident.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Small business and the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1952.

20 min., sd., b&w, 16 mm.

Order no. SFP 306.

Summary: Mr. Jones and Mr. Smith, two small-business men, personify the right and wrong ways to go about getting a Government contract. Suggests that small-business men make use of the booklet, Guide for selling to the U. S. Air Force.

Borrow from AF. *Cleared for tv.*

Small milk plant operation series
see
Cleaning equipment and containers
You and your job

The small sawmill (*Motion picture*) U. S. Dept. of Agriculture, 1954.

20 min., sd., color, 16 mm.

Summary: Designed to stimulate the interest of owners and operators of small sawmills in more efficient production and in better quality of lumber. Shows the transformation of an unproductive sawmill into an efficient one.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Small town editor (*Motion picture*) U. S. Dept. of State, 1952. Made by Media Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

18 min., sd., b&w, 16 mm.

Summary: Story of a small town newspaper editor and his place in the community. Contrasts his operation with that of a big city newspaper, emphasizes friendly relationships with townspeople and points up the principles of a free press. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Small town library (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Kling Studios. Released for public educational use through U. S. Office of Education, 1952.

10 min., sd., b&w, 16 mm.

Summary: Explains the benefits and shows some of the operations of a public library in a small town, particularly the weekly delivery of books not owned by the small library, from the library of a big city nearby. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Small town newspaper (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 2)

Summary: Describes the activities and services of a small town newspaper, the Suffolk County news, as representative of democratic principles and procedures. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Small water treatment plants series
see
Filtration plants

Smallpox vaccination (*Filmstrip*) U. S. Dept. of the Army, 1947.

77 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-106.

Summary: Discusses the hazards of smallpox to army personnel in the Orient and primitive areas. Shows etiology and clinical pictures of the disease, storing of vaccine, techniques of vaccination, and control measures.

Borrow from Army.

Smog: The Pittsburgh story (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 3)

Summary: Describes how the citizens of Pittsburgh and of Allegheny County rid the air of smoke and smog. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Smoke in the hollow (*Motion picture*) U. S. Dept. of Agriculture, 1960.

13 min., sd., color, 16 mm.

Summary: Shows damage resulting from man-caused fires in the hill country of Ohio, typical causes of fires, and the ways in which fires can lower the general prosperity of any community.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Smoke study of nozzle secondary flows in a low-speed turbine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

20 min., sd., b&w, 16 mm.

Summary: Visualizes, by means of smoke, boundary layer and wake secondary-flow phenomena in the nozzle passages of a low-speed turbine, using two annular cascades of turbine nozzles designed for constant discharge angle from hub to tip but differing in blade shape and suction-surface velocity distribution. Shows cross-channel flows, radial flow patterns, and outer-shroud vortex formation at low air speed (7 ft. per sec.) Also shows the effect of a downstream rotor on nozzle secondary flows. A record film for technical personnel, to be used with NACA Technical note 3260: Smoke study of nozzle secondary flows in a low-speed turbine.

Borrow from NASA.

Smokejumper training: Part 1: Indoctrination (*Motion picture*) U. S. Dept. of Agriculture, 1947.

19 min., sd., color, 16 mm.
Included, in condensed form, in the 1949 film Smokejumpers.

Summary: Explains to a group of U. S. Forest Service trainees in a classroom the general principles and uses of parachutes and accessory equipment.

Rent from DA film libraries.

Smokejumper training. Part 2: Ground training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

18 min., sd., color. 16 mm.
Included, in condensed form, in the 1949 film Smokejumpers.

Summary: Demonstrates the physical conditioning preparatory to and necessary for jump training; and shows how trainees get accustomed to jump equipment.

Rent from DA film libraries.

Smokejumper training. Part 3: Jump training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

20 min., sd., color, 16 mm.
Inculded, in condensed form, in the 1949 film Smokejumpers.

Summary: Demonstrates the techniques of practice jumping from planes and fighting routine fires.

Rent from DA film libraries.

Smokejumpers (*Motion picture*) U. S. Dept. of Agriculture, 1949.

10 min., sd., color, 16 mm.
Condensed version of three films released in 1947 under title Smokejumper training.

Summary: Shows the smokejumpers, parachute fire fighters of the U. S. Forest Service—their training and equipment, parachuting into roadless areas, and fighting forest fires.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Smokey and the little boy (*Motion picture*) U. S. Dept. of Agriculture, 1960.

5 min., sd., color, 16 mm.

Summary: An animated cartoon featuring Smokey Bear and forest fire prevention.

——— Another issue. b&w.

Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

Smokey Bear forest fire prevention series
see
Alouette
Break your match
Camping
Don't blame lightning
Fire and flood
Flipper returns
Forest blessings
Forest care
Forest disaster
Forest friends
It's up to you
Junior ranger
Lonesome road
Obey the fire laws
Once upon a time
Smokey haunts Flipper
Smokey warns Flipper
Smokey's flood story
Trees
Trees take time
Use your ashtray

Smokey haunts Flipper (*Motion picture*) U. S. Dept. of Agriculture, 1955.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 4, no. 3)

Summary: An animated cartoon in which Smokey Bear haunts Jack-the-Flipper as he almost forgets to put out his campfire. For television use.

Rent from DA film libraries. *Cleared for tv.*

Smokey the bear (*Motion picture*) U. S. Dept. of Agriculture, 1952.

5 min., sd., b&w, [illegible] mm.

Summary: A group of boys on a camping trip are reminded of their responsibility in helping to keep fire out of the forest, and sing with Eddy Arnold a song entitled Smokey the bear. Prepared primarily for television.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Smokey warns Flipper (*Motion picture*) U. S. Dept. of Agriculture, 1955.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 4, no. 1)

Summary: An animated cartoon in which Smokey Bear warns Jack-the-Flipper not to throw matches or cigarettes into the woods. For television use.

Rent from DA film libraries. *Cleared for tv.*

Smokey's flood story (*Motion picture*) U. S. Dept. of Agriculture, 1957.

1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 1)

Summary: An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Snake bite kit, suction, in plastic carrying case (*Filmstrip*) U. S. Dept. of the Army, 1954.

39 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 8–191.

Summary: Explains how to recognize a poisonous snake bite and illustrates the components of the kit and their application in the treatment of snake bite, including tourniquet, iodine applicator, lancet, mechanical suction pump, ammonia inhalant, and adhesive compresses.

Borrow from Army.

Snap–3 operational tests (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by Martin Co.

18 min., sd., color, 16 mm.

Summary: Describes operational tests (vibration, shock, acceleration, fire, explosion, land and sea impact, effects of salt water, aerodynamic heating, etc.) on the 4–lb SNAP–3 isotopic-power unit, which uses Po–210 to generate more than 3 watts as a source of auxiliary power for space vehicles. Concludes that SNAP–3 will operate effectively on launch and in orbit.

Borrow from AEC. *Cleared for tv.*

Snodgrass task force (*Motion picture*) U. S. Dept. of the Army, 1960.

11 min., sd., color, 16 mm.
Order no. MF 45–9500

Summary: Depicts the Nike Hercules operational tests conducted at White Sands, New Mexico, in July 1958 to determine the tactical adaptability of the missile.

Borrow from Army. *Cleared for tv.*

Snow harvest (*Motion picture*) U. S. Dept. of Agriculture, 1946.

24 min., sd., color, 16 mm.

Summary: Shows how the winter snowfall in the mountains of the western United States is measured as a basis for the prediction of the next summer's water supply.

Rent from DA Film Libraries. *Buy from* NF.

Snow survey (*Motion picture*) U. S. Dept. of Agriculture, 1954.

6 min., sd., b&w, 16 mm.

Summary: Shows the technique for measuring depth of snow and for the calculation of predictions of summer stream flow and floods. For television use.

Borrow from DA-MPS. *Buy from* DA. *Cleared for tv.*

Snuffy: Smokey Bear's pal (*Motion picture*) U. S. Dept. of Agriculture, 1958.

4 min., sd., color. 16 mm.

Summary: Animated cartoon portraying a cocker spaniel assisting Smokey Bear in fire prevention.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Social adjustment for the aphasic patient (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

26 min., sd., color, 16 mm. (Aphasia, no. 3)

Summary: Emphasizes the problems of social reorientation encountered by the aphasic patient, and explains the use and importance of group therapy and of corrective physical therapy, retraining of the language function, and contacts outside the hospital environment. For medical personnel.

Borrow from VA. *Buy from* CW.

Social change in a democracy (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Sun Dial Films. Released for public educational use through U. S. Office of Education, 1952.

30 min., sd., b&w, 16 mm.

Summary: Portrays students in a high-school social-studies class discussing the difference between conditions in a democracy and in a totalitarian state, then learning first-hand how a problem in their own community, arising from a social change, is solved by law and assembly of the people. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

The social security story (*Motion picture*) Social Security Administration, 1962.

15 min., sd., color, 16 mm.

Summary: Dramatized incidents are used to present the basic idea of the old-age, survivor, and disability insurance program. Explains that employees, employers, and self-employed people pay social security taxes into a special fund during working years, so that when earnings stop because of the worker's retirement, disability, or death, payments will be made to him or to his dependents.

Borrow from SS. *Buy from* NF.

The social worker (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

28 min., sd., b&w, 16 mm.

Summary: Portrays the training and education required of a young woman who wishes to become a social worker. Prepared for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Sodium graphite reactor progress report (*Motion picture*) U. S. Atomic Energy Commission, 1956. Made by North American Aviation.

17 min., sd., color, 16 mm.

Summary: Describes a number of experiments devoted to the development of the sodium graphite reactor, with special emphasis on the development of the fuel element. A number of sequences are shown of the testing of components.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Sodium reactor experiment (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Atomics International.

22 min., sd., color, 16 mm.

Summary: Presents a summary of the preparation, fabrication, and testing of major reactor components, showing installation at the site, the startup, operation, and control as well as safety elements of the sodium reactor experiment (nuclear power) designed, constructed, and operated for the AEC by Atomics International near Los Angeles.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Sodium reactor experiment fabrication (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by North American Aviation.

19 min., sd., color, 16 mm.

Summary: Shows the fabrication and testing of major reactor components for the sodium reactor experiment (SRE) Explains fuel element fabrication and testing, grid plate fabrication, control rod system testing, core tank fabrication, thermal shield ring fabrication, top plug fabrication, sodium pump inspection, heat exchanger and coolant piping inspection, and fuel handling system checkout.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Soft tissue wounds (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., color, 16 mm. (Medicine in action series, no. 4)
Order no. MN 3726–d.

Summary: How to remove shell fragments from four typical battle wounds; upper thigh, scapula, leg, and arm wounds. For medical personnel.

Borrow from Navy. *Buy from* NF.

Soil and water conservation (*Motion picture*) U. S. Dept. of Agriculture, 1948.
9 min., sd., b&w, 16 mm. (School films series, no. 4)
With teacher's guide.
Summary: Conservation farming methods to protect soil and water resources—contouring, terracing, strip cropping, cover crops, crop rotation, tree and grass planting, etc.
Rent from DA Film Libraries. *Buy from* NF.

Soil and water conservation by the beaver (*Filmstrip*) U. S. Dept. of Agriculture, 1938.
48 fr., b&w, 35 mm.
Order no. 502.
With lecture notes.
Summary: Explains the history, habits, and economic relations of the beaver, with reference to farm and forest lands; and shows how to establish new beaver colonies.
Buy from PhotoLab.

Soil conservation benefits wildlife (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
31 fr., b&w, 35 mm.
Order no. 558.
With lecture notes.
Summary: Shows how nature reclaims areas saved by soil conservation, providing cover for game, fish, and other wildlife.
Buy from PhotoLab.

Soil conservation is your business (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
63 fr., b&w, 35 mm.
Order no. 706.
With lecture notes.
Summary: Explains man's dependence upon the soil, shows some of the consequences of soil impoverishment, and emphasizes conservation measures.
Buy from PhotoLab.

Soil erosion and its control in orchards (*Filmstrip*) U. S. Dept. of Agriculture, 1941.
38 fr., b&w, 35 mm.
Order no. 611.
With lecture notes.
Summary: Shows causes of orchard erosion, and how to control such erosion by gully treatment, terracing, strip cropping, straw mulching, contour planting, and the use of cover crops.
Buy from PhotoLab.

Soil erosion in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1937.
42 fr., b&w, 35 mm.
Order no. 467.
With lecture notes.
Summary: Shows effects of man-made and natural erosion, farming practices that cause erosion, and methods of controlling erosion.
Buy from PhotoLab.

Soil explorations (*Motion picture*) U. S. Army Engineers, 1951.
26 min., sd., color, 16 mm.
Summary: Shows the methods and procedures used in obtaining disturbed and undisturbed soil samples for testing in the Corps of Engineers soil laboratories.
Borrow from Eng. *Cleared for tv.*

Soil tests for earth construction (*Motion picture*) U. S. Army Engineers, 1951.
25 min., sd., color, 16 mm.
Summary: Portrays laboratory methods and procedures used by the U. S. Army Corps of Engineers in obtaining soil test data needed for the design and construction of earth structures such as levees and earth dams.
Borrow from Eng. *Cleared for tv.*

Soldadura con cautin (*Motion picture*) U. S. Office of Education [1959?]
20 min., sd., b&w, 16 mm.
Order no. OE 479–Sp.
Spanish version of the 1944 motion picture entitled Hand soldering.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Discusses the theory of soldering and shows how to prepare soldering irons and torches, how to clean and prepare the work, how to fasten joints, how to solder wire and lug joints, and how to seal seams.
Buy from NF.

Soldering lugs and splicing stranded conductors (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
18 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 2])
Order no. OE 371.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to solder a lug, using electric soldering tongs, a blowtorch, and solder pot and ladle; splice stranded conductors; and make a severed cable splice.
Buy from NF.

Soldering lugs and splicing stranded conductors (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
39 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 2])
Order no. OE 371–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

The soldier at leisure (*Motion picture*) U. S. Dept. of the Army, 1952.
14 min., sd., b&w, 16 mm.
Order no. MF 12–7936.
Summary: Explains the functions of Army service clubs and the activities provided for soldiers' leisure time; includes pictures of soldiers in Japan on tours, watching sport exhibitions and being instructed in music and floral arrangements.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The soldier's mission and responsibilities (*Motion picture*) U. S. Dept. of the Army, 1955.
13 min., sd., b&w, 16 mm.
Order no. MF 45–8440.
Summary: Explains in general terms, the U. S. soldier's mission, training, and responsibilities. Produced for military personnel entering the Army.
Borrow from Army. *Cleared for tv.*

Soldiers of freedom (*Motion picture*) U. S. Dept. of Defense, 1951.
21 min., sd., b&w, 16 mm.
Order no. AFSR 136.
Summary: Portrays soldiers from MDAP (Military Defense Assistance Program) countries attending the U. S. Army Infantry School at Fort Benning, Ga., and learning about U. S. weapons and tactics.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.
15 min., si., b&w, 16 mm.
Order no. TF 3.
With lecture notes.
Summary: Shows through high-speed motion pictures (2,500 photographs per second) combustion in the chamber of a high-speed Diesel engine with air-fuel ratios varying from 10.4 to 30.5. A record film for technical personnel, to be used with NACA Report 545: Effects of air-fuel ratio on fuel spray and flame formation in a compression-ignition engine.
Borrow from NASA.

Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.
15 min., si., b&w, 16 mm.
Order no. TF 1.
With lecture notes.
Summary: Shows through high-speed motion pictures (2,000 photographs per second) the effect of fuel injection advance angle on flame formation in the combustion chamber of a high-speed Diesel engine. A record film for technical personnel, to be used with NACA Report 525: Some effects of injection advance angle, engine-jacket temperature, and speed on combustion in a compression-ignition engine.
Borrow from NASA.

Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
8 min., si., b&w, 16 mm.
Order no. L-331.
Summary: Shows the regimes of flow and the transient flow phenomena in subsonic, two-dimensional, plane-wall diffusers using one or both of two methods of dye injection in a water table. For technical personnel to be used with NACA Technical note 4080: Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers.
Borrow from NASA.

Something about a soldier (*Motion picture*) U. S. Dept. of Defense, 1948.
8 min., sd., b&w, 16 mm.
On reel with Arctic igloo.
Order no. AFSR 95.
Summary: The importance of appearance and behavior to soldiers.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Something for tomorrow (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.
11 min., sd., b&w, 16 mm.
Spanish version released under the title Algo para mañana.
Summary: Describes the lives of migrant farm workers and their importance in American agriculture; explains the benefits which they receive from old age and survivors insurance.
Borrow from SSA.

Sonar detecting ranging set AN/PQS-1, operation (*Motion picture*) U. S. Dept. of the Navy, 1960.
20 min., sd., b&w, 16 mm.
Order no. MN-9416.
Summary: Shows the operation of sonar detecting ranging set AN/PQS-1, explaining how it is used to locate underwater objects, and describing the procedures to be used in checking and changing the battery.
Borrow from Navy. *Buy from* NF.

Sources of air pollution (*Motion picture*) U. S. Public Health Service, 1962.
5 min., sd., color, 16 mm.
Order no. MIS 677
Summary: Shows the principal sources of air pollution.
Borrow from PHS. *Buy from* NF.

South American medley series
see
Brazil

South Asia and India today (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. WA 11.
Summary: Presents G. Lewis Jones, Jr., Assistant Secretary of State for Near East and South Asian Affairs, explaining the goals and problems of the area and its importance to the world. Focuses upon Afghanistan, Nepal, India, Ceylon, and Pakistan.
Borrow from Army. *Cleared for tv.*

The South grows green (*Motion picture*) U. S. Dept. of Agriculture, 1948.
43 min., sd., color, 16 mm.
Summary: Reviews the changes in agriculture in the South, emphasizing particularly crop diversification, soil conservation methods, and improvement of the land.
Rent from DA film libraries.

Southern pines pay (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
50 fr. b&w, 35 mm.
Order no. 506.
With lecture notes.
Summary: Illustrates uses of various types of pines adapted to southern areas, explains their value to farmers, and demonstrates the requirements of good timber farming.
Buy from PhotoLab.

The Southern States are restored to the Union
see American history I, lecture 16: The Southern States are restored to the Union

The Soviet Union and its peoples (*Motion picture*) U. S. Dept. of Defense, 1951.
19 min., sd., b&w, 16 mm.
Order no. AFSR 131.
Summary: A brief survey of the Soviet Union and its peoples covering geographical features, climate, history, industry, transportation, culture, and political organization.
Borrow from Army. *Cleared for tv.*

Space communications (*Motion picture*) U. S. Dept. of the Air Force, 1960.
19 min., sd., color, 16 mm.
Order no. TF 1-5296.
Summary: Using animation, highlights some of the basic communications principles and techniques, stressing the factors that relate directly to space. Explains the behavior of electromagnetic waves and formula for computing their attenuation rate and discusses factors such as distance, payloads, power supply longevity, motion, environment, and modes of transmission with emphasis on telemetry. Includes sequences showing how unmanned satellites may be used to establish reliable communication links in space that will insure man's survival in space flights and improve communications on earth.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Space guidance and control (*Motion picture*) U. S. Dept. of the Air Force, 1959.
10 min., sd., color, 16 mm.
Order no. TF 1-5294.
Summary: Depicts the simulated space flight of a manned vehicle leaving the earth and joining a space station in orbit. Explains, with demonstrations, such terms as guidance system, inertia, acceleration, deceleration, and discusses various control problems.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Space navigation (*Motion picture*) U. S. Dept. of the Air Force, 1959.
13 min., sd., color, 16 mm.
Order no. TF 1-5295.
Summary: Explains the science of interplanetary flight through an imaginary trip to Mars and depicts the elements of navigation guidance and control.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Space orbits (*Motion picture*) U. S. Dept. of the Air Force, 1960.
18 min., sd., color, 16 mm.
Order no. TF 1-5293.
Summary: Presents, through animation, basic facts as to orbital patterns and the forces which produce them. Explains the patterns in relation to space missions of missiles, artificial earth satellites, lunar probes, and space travelers, and shows how all must follow paths dictated by the same natural laws formulated by Sir Isaac Newton nearly three hundred years ago.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Space pioneer (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

10 min., sd., b&w, 16 mm.

Summary: Describes the flight of the U. S. Air Force rocket "Pioneer" on October 11, 1958. Explains how such rockets record and transmit valuable information and describes their contribution to the International Geophysical Year. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Space spraying of insecticides (*Motion picture*) U. S. Public Health Service, 1961.

11 min., sd., color, 16 mm.

Order no. M 442.

Revised version of the 1954 motion picture entitled Space spraying.

Summary: Demonstrates techniques of space spraying for insect control over large areas, and shows various types of modern power-spraying equipment.

Borrow from PHS. *Buy from* NF.

Spain (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

10 min., sd., b&w, 16 mm.

Order no. AFIF 32.

Summary: Explains Spain's geography, government, culture, economic structure, and military and political significance. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Cleared for tv.*

Spatial disorientation in flight (*Motion picture*) U. S. Dept. of the Air Force, 1958.

16 min., sd., color, 16 mm.

Order no. TF 1-5251.

Summary: Defines spatial disorientation and explains the operation and function of the equilibrium organs, conditions causing spatial disorientation, flight problems involved, and procedures for overcoming spatial disorientation difficulties.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Speaking of models (*Motion picture*) U. S. Army Engineers, 1958.

20 min., sd., color, 16 mm.

Revision of the 1952 motion picture of the same title.

Summary: Shows how hydraulic model studies made by the Corps of Engineers at the Waterways Experiment Station, Vicksburg, Miss., aid in the planning and designing of projects for flood control, navigation, and hydroelectric power.

Borrow from Eng. *Cleared for tv.*

Special circumstances (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

14 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-x.

Summary: Illustrates five cases in which the courts decided the rules of special circumstances were not applicable.

Borrow from Navy. *Buy from* NF.

The special court-martial (*Motion picture*) U. S. Dept. of the Army, 1957.

56 min., sd., b&w, 16 mm.

Order no. TF 15-2358.

Summary: Explains the jurisdictional powers and procedures of the special court-martial, including pretrial, trial, and post trial procedures and the differences between the special court-martial and the general court-martial. Uses a hypothetical case to illustrate the legal procedure: preparation and transmission of charge sheet through channels to the adjutant; appointment of trial and defense counsels; serving charges on accused; pretrial questioning of accused and witnesses by counsels; trial; presentation of evidence for mitigation or extenuation; preparation, authentication, and review of record of trial.

Borrow from Army.

Special court martial (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1952.

38 min., sd., b&w, 16 mm. (Uniform code of military justice series)

Order no. MN 7319-d.

Summary: Demonstrates the procedures and conduct of a special court martial and explains the duties and responsibilities of Navy officers at such a court martial.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Special lights (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Rules of the nautical road series)

Order no. MN 202-g.

Summary: International and inland rules for flare-up, naval and navigation signals, pilot vessels, fishing vessels, trawlers, ferry boats, dredges, subsurface vessels, pipe lines, floating plants, airplanes, small craft, fishing craft at anchor, etc.

Borrow from Navy. *Buy from* NF.

Special pipets
see Chemical techniques: Special pipets

Special products and factoring
see Beginning algebra II, lecture 1 [-3]: Special products and factoring

Special products, factoring, and quadratic equations
see Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations

Special purpose vacuum tubes (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

75 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min. (Radio technician training series)

Order no. SN 1540-g.

Summary: Explains the construction, sizes, models, and multiple uses of various vacuum tubes.

Borrow from Navy. *Buy from* NF.

Special steering and sailing rules (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

14 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-z.

Summary: Gives the steering and sailing rules governing a steam vessel under way and a sailing vessel fishing; defines "privilege" and "burden."

Borrow from Navy. *Buy from* NF.

Special techniques for the home gardener (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

35 fr., b&w, 35 mm.

Order no. 705.

With lecture notes.

Summary: Explains techniques to be used in planning and growing a vegetable garden that will give the greatest return in quality and quantity.

Buy from PhotoLab.

The specialty knowledge testing program (*Motion picture*) U. S. Dept. of the Air Force, 1962.

29 min., sd., color, 16 mm.

Order no. SFP 1142

Summary: Outlines the principles of the U. S. Air Force "specialty knowledge testing program." Emphasizes the necessity of SKT tests to upgrade qualified airmen and help insure the success of the Air Force classification program. Shows how tests are constructed by a team of supervisors and a psychologist. Other scenes depict the electronic processing and continual internal checking of tests to insure accuracy.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Speech reading (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

28 min., sd., b&w, 16 mm.

Order no. TF 8-1706.

Summary: Explains how persons with a hearing loss can learn, by careful interpretation of lip movements, to "see" what people are saying. Shows how vowel and consonant sounds are formed by the mouth.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Speech techniques (*Motion picture*) U. S. Dept. of the Army, 1956.

11 min., sd., b&w, 16 mm. (Military instruction series, no. 4)

Order no. TF 21-2306.

Summary: Discusses the importance of good speech techniques in military instruction, and illustrates techniques to be used, including looking at and talking directly to the audience, attention to one's diction, exercising care in the use of mannerisms, and speaking slowly enough to be understood.

Borrow from Army. *Buy from* NF.

Speed drop (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

5 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 2)

Order no. MN 2798-b.

Summary: Demonstrates how load equalizer is added to the governor to control speed, and how the power piston and speeder spring function.

Borrow from Navy. *Buy from* NF.

Spert 1: Reactor safety experiments (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

32 min., sd., color, 16 mm.

Summary: A technical report on reactor safety investigations involving use of the special power excursion reactor test (SPERT), a tank type, atmospheric-pressure, heterogeneous reactor. Explains that SPERT was designed primarily for the study of reactor kinetics and safety parameters in functionally similar reactors. Illustrates a number of intentionally induced power excursions.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Spherical surfaces series
see Optical craftsmanship series. Spherical surfaces

Spinning (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

17 min., sd., b&w, 16 mm. (How to form aluminum series)

Order no. 208.

Summary: Shows and explains the techniques of metal spinning; standard tools and their operation; and flanging, beading, planishing, and burnishing.

Borrow from BM. *Cleared for tv.*

Splenoportography (*Motion picture*) U. S. Dept. of the Army, 1961.

9 min., sd., color, 16 mm.

Order no. PMF 5343.

Summary: Demonstrates the X-ray technique used at Walter Reed Army Medical Center to study the condition of the splenic and portal veins for diagnostic purposes. Pictures the patient being prepared for splenoportography, the splenoportographic process, and subsequent care of the patient. Shows and discusses X-ray views of abnormal splenic-portal vein conditions.

Borrow from Army. *Buy from* NF.

Splicing a wooden spar (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

21 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 248.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to cut a scarf joint on a spar; finish a scarf face by hand; glue and assemble a scarf joint; make, glue, and assemble reinforcement plates; and trim a spar to shape and size.

Buy from NF.

Splicing a wooden spar (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

45 fr., b&w, 35 mm (Aircraft work series. Aircraft maintenance)

Order no. OE 248-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Split-phase motor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

17 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 4)

Order no. OE 386.

Supplemented by filmstrip with the same title.

With instructor's manual.

Summary: Construction of stator and rotor; comparison of winding in two-phase stator with split-phase stator; effects of winding resistances and inductive reactances; and use of capacitor to produce phase displacement.

Buy from NF.

Split-phase motor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

48 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 4)

Order no. OE 386-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Split-phase motor: Rewinding (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

28 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 3)

Order no. OE 394.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to test a split-phase motor for electrical and mechanical faults; dismantle and strip the stator; rewind the stator; form and install skein windings; insulate; lace, dip, and bake the stator; and assemble, lubricate, and test the motor.

Buy from NF.

Split-phase motor: Rewinding (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

40 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 3)

Order no. OE 394-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Sporocysts and cercariae of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1948.

6 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)

Order no. 4-064.

Summary: A photomicrographic study of cercarial movements and characteristics.

Borrow from PHS.

Spot welding (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

20 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 9)

Order no. OE 295.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to spot weld parts of an access cover; set up the machine; remove and install electrodes; set pressure, current, and time controls; test the setup; and clean the electrode tips.

Buy from NF.

Spot welding (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

44 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 9)

Order no. OE 295-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Spotting immediate training needs (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

65 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (On-the-job supervision series, no. 2)

Order no. SFS 80-3.

Summary: Discusses the importance of identifying training needs, and the benefits resulting from improved training.

Borrow from Army. Buy from NF.

Spray-painting equipment (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

60 fr., b&w, 35 mm.

Order no. SN 107.

Summary: Describes the parts of a typical paint-spraying outfit: spray gun, material containers, hose, air transformer, condenser, and compressor.

Borrow from Navy. Buy from NF.

Spraying equipment and procedures. Part 1: Residual spraying (*Motion picture*) U. S. Public Health Service, 1951.

9 min., sd., color, 16 mm. (Community fly control series)

Order no. 4-091.

Summary: Explains the meaning of residual spraying for fly control, the necessity for this type of spraying, and the methods of using hand and power spraying equipment.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Spread and prevention of trichinosis (*Filmstrip*) U. S. Public Health Service, 1948.

67 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. 5-090.

With film guide.

A short version for non-professional audiences, released under the title Worms in your muscles, also available.

Summary: Discusses the life cycle of *Trichinella spiralis;* prevalence and spread of trichinosis; symptoms of the disease; control measures; and consumer responsibilities. For scientific audiences.

Borrow from PHS. *Buy from NF.*

Spread and prevention of trichinosis
see also
Worms in your muscles

Springboard to space: the Arnold Center story (*Motion picture*) U. S. Dept. of the Air Force, 1963.

15 min., sd., color, 16 mm.

Order no. SFP 1167

Summary: Describes the complexities of the Arnold Engineering Development Center, Tullahoma, Tenn. Pictures the giant network of wind tunnels and high altitude rocket test cells where missiles and spacecraft are subjected to space flight conditions. Shows how data collected from these simulated flight conditions of pressures, temperatures, altitude, and high speed save time in aerospace progress.

Borrow from AF. Buy from NF. Cleared for tv.

The squad (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

25 min., sd., b&w, 16 mm. (Close order drill series)

Order no. MN 201-a.

Summary: Explains that a regiment is composed of companies, platoons, and squads; and shows how the individual and the squad execute various military drills.

Borrow from Navy. Buy from NF.

The square knot (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

5 min., sd., b&w, 16 mm.

Order no. MCG 300, formerly MG 2139-a.

Supplementary filmstrip of same title also available.

Summary: Defines the terms bight, standing part, and fall piece; and demonstrates how to form a square knot.

Buy from NF.

The square knot (*Filmstrip*) U. S. Coast Guard, 1941. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

26 fr., b&w, 35 mm.

Order no. SCG 300, formerly SG 2139-b.

Supplements motion picture of same title.

Summary: Demonstrates how to bend a square knot.

Buy from NF.

Squeeze riveting: Stationary and portable riveters (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

15 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 7)

Order no. OE 293.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to select correct rivet sets for stationary and portable squeezers; set up and use the stationary squeezer and the portable squeezer.

Buy from NF.

Squeeze riveting: Stationary and portable riveters (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

36 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 7)

Order no. OE 293-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Squirrel-cage rotor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

10 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 3)

Order no. OE 385.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: Laws of magnetism and induced e. m. f.; electron flow in squirrel-cage rotor setting up magnetic poles which create torque; construction of squirrel-cage rotors.

Buy from NF.

Squirrel-cage rotor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

28 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 3)

Order no. OE 385-fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

The stages of instruction: Application, examination, and review or critique (*Motion picture*) U. S. Dept. of the Army, 1956.

20 min., sd., b&w, 16 mm. (Military instruction series, no. 2-c)

Order no. TF 21-2304.

Summary: Explains the importance of learning by doing, of giving examinations to improve learning and to measure the effectiveness of teaching, and of reviewing the main points of instruction in order to clear up any confusion which may exist in the student's mind.

Borrow from Army. Buy from NF.

The stages of instruction: Preparation (*Motion picture*) U. S. Dept. of the Army, 1956.

12 min., sd., b&w, 16 mm. (Military instruction series, no. 2-a)

Order no. TF 21-2302.

Summary: Discusses the importance of estimating the instructional situation, selecting and organizing teaching materials, checking on the availability of training aids, preparing a lesson plan, rehearsing the lesson, and checking all arrangements to insure no slip up in the classroom.

Borrow from Army. Buy from NF.

The stages of instruction: Presentation (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm. (Military instruction series, no. 2-b)
Order no. TF 21-2308.
Summary: Explains the elements of presentation in military instruction—introduction, explanation, and summary—and the lecture, conference, and demonstration methods of explanation.
Borrow from Army. *Buy from* NF.

Stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1943.
27 min., sd., b&w, 16 mm.
Order no. 201.
Summary: Emphasizes the waste caused by rust; illustrates the corrosion-resistant quality of stainless steel; gives a step-by-step description of the making of stainless steel.
Borrow from BM. *Cleared for tv.*

Stalemate in Korea (*Motion picture*) U. S. Dept. of Defense, 1951.
19 min., sd., b&w, 16 mm.
Order no. CB 113.
Summary: Military operations in Korea from July 20 to August 20, 1951.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Standardization (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Academy Pictures.
19 min., sd., b&w, 16 mm.
Order no. MN 8084.
Summary: Explains the basic concepts and benefits of standards and the standardization process. Sets forth broad principles for an effective approach to standardization problems, whether local or international in scope.
Borrow from Navy. *Buy from* NF.

Standardization of crew training for search and rescue craft series
see Search and rescue series. Standardization of crew training for search and rescue craft

Standards of a serviceman (*Motion picture*) U. S. Dept. of Defense, 1951.
12 min., sd., b&w, 16 mm.
Order no. AFIF 13.
Summary: Explains the military standards required of servicemen and the importance of discipline and teamwork.
Borrow from Army. *Cleared for tv.*

Standing waves on transmission lines (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-k.
Summary: By means of animated diagrams, laboratory demonstrations, and diverse analogies explains the causes, results, and prevention of standing waves in radio high frequency transmission lines.
Borrow from Navy. *Buy from* NF.

Staphylococcal disease: Manifestations, prevention and control (*Filmstrip*) U. S. Public Health Service, 1959.
36 fr., color, 35 mm.
With film guide.
Order no. F 343.
Summary: Stylized drawings depict various clinical manifestations of hospital-acquired staphylococcal disease, the ways by which it is spread, and some of the techniques and methods useful in the control of infections.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Star identification (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
16 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-f.
Summary: Explains briefly the apparent movement of the stars across the sky; and locates and identifies 23 basic navigation stars, including Dubhe, Polaris, Arcturus, Spica, Regulus, Vega, Betelguese, Sirius, and several important constellations.
Borrow from Navy. *Buy from* NF.

State capital (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 14)
Summary: Using as an example Frankfort, Kentucky, explains the relationship between the State and National Governments in the United States, variations in State laws, and the role of the Federal Government in meeting needs crossing State boundaries. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

State fair (*Motion picture*) U. S. Information Agency, 1960. Made by Barclay Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.
15 min., sd., b&w, 16 mm.
Summary: A pictorial report on the Texas State Fair at Dallas as seen through the eyes of a typical American farm family. Shows cattle judging, art exhibits, the midway shows, fashion shows, farm machinery, and international exhibits. Prepared for overseas use.
Buy from NF. *Cleared for tv. Prior authorization required.*

Statistical averages
see Beginning algebra I, lecture 7: Statistical averages; addition and subtraction of directed numbers

The statistical design of experiments (*Motion picture*) U. S. Dept. of the Navy, 1960.
20 min., sd., color, 16 mm.
Order no. FN 8874.
Summary: Explains the fundamental concepts of modern statistical design of scientific experiment.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Steam engine indicator (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
76 fr., b&w, 35 mm.
Order no. SCG 176-d, formerly SG 2316.
Summary: Shows the operation and use of a steam engine indicator.
Buy from NF.

Steam locomotive firing (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
12 min., sd., b&w, 16 mm.
Order no. FB 55-270.
Summary: Illustrates the procedure for dropping old fire and putting on new fire in a steam locomotive, including knocking the old fire, washing down the ashpan, emptying the boiler of old water and refilling it with new water, inspecting the fire box, filling the fire box with coal, and lighting the fire and spraying it with oil.
Borrow from Army.

Steam turbine construction (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
80 fr., b&w, 35 mm.
Order no. SCG 178, formerly SG 1779-a.
Summary: Shows a turbine installation and explains the principles of the impulse and reaction-type turbines.
Buy from NF.

The steel rule (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

14 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 1)

Order no. OE 1.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to read steel rules; use flexible hook and rule-type gages; lay out holes with a combination square and scribe them with a divider; and use inside and outside calipers to transfer dimensions to and from steel rules.

Buy from NF.

The steel rule (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

52 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 1)

Order no. OE 1-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The steel rule
see also
La regla de acero

Steel town (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm. (American scene series, no. 4)

Summary: Shows the steel mills, blast furnaces, and lives of the steel workers in Youngstown, Ohio.

Buy from NF.

Steering (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

122 fr., b&w, 35 mm.

Order no. SCG 127, formerly SG 1778.

Summary: Explains the effect of the rudder and propeller on steering, the commands to follow when changing course, and how to use the lubber line and compass for steering.

Buy from NF.

Steering, clutch, and brake (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

11 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 2)

Order no. TF 5-1826.

Summary: Demonstrates proper steering techniques in the operation of the D-7 tractor, and explains how to detect steering, clutch, and brake troubles and how to make the necessary adjustments to correct them.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Steering, wheels, front and rear axles (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

19 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 8)

Order no. OE 484.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to check for play in the steering wheel and the front end assembly; correct wheel runout; make a toe-in test; and test springs, axles, and overall backlash.

Buy from NF.

Steering, wheels, front and rear axles (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

43 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 8)

Order no. OE 484-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Stem rust (*Motion picture*) U. S. Dept. of Agriculture, 1950.

14 min., sd., color, 16 mm.

Summary: Shows and explains the nature of stem rust, a fungus disease that destroys wheat, oats, barley, and rye; describes its spread through a host, the barberry, and stresses the need to destroy barberry bushes to control the disease.

Rent from DA film libraries. *Cleared for tv.*

Stem rust (*Motion picture*) U. S. Dept. of Agriculture, 1956.

13 min., sd., color, 16 mm.

Revision of the 1950 film with same title.

Summary: Explains the nature of stem rust, showing that it is an airborne fungus disease that destroys wheat, oats, barley and rye; and discusses its control through ridding grain areas of barberry bushes which spread the disease.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Step by step in everyday tasks (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Washington State Extension Service, 1944.

60 fr., b&w, 35 mm.

Order no. 643.

With lecture notes.

Summary: Suggests short and easy methods of doing everyday tasks in the home, stressing the need to eliminate unnecessary motions and steps.

Buy from PhotoLab.

A step-saving kitchen (*Motion picture*) U. S. Dept. of Agriculture, 1948.

14 min., sd., color, 16 mm.

Summary: Demonstrates the features and facilities of a modern farm kitchen scientifically designed and built by the Department of Agriculture.

Rent from DA Film Libraries. *Cleared for tv.*

A step-saving U kitchen (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

40 double fr., color, 35 mm.

Order no. C-2.

With lecture notes.

Summary: Shows details of the kitchen designed by and built in the laboratories of the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab.

Steps to recovery: Rehabilitation of the patient with pulmonary tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1961.

30 min., sd., b&w, 16 mm.

Order no. TF 8-3057.

Summary: Depicts the medical treatment and rehabilitation of tubercular patients as viewed through the eyes of two military patients hospitalized at Fitzsimons Army Hospital, Denver. Shows one patient who does not require surgery, from the time of his admittance through the treatment during the communicable stage, and pictures the second patient who is required to undergo surgery, highlighting preoperative physical therapy and post-surgical care.

Borrow from Army.

Stern launching, DD445 class (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series)

Order no. MN 2351-b.

Summary: Presents an over-all view of the technical operations involved in the stern-type launching of a destroyer.

Borrow from Navy. *Buy from* NF.

Still more about verbs
see Practical English usage I, lecture 8: Still more about verbs

The Stilwell Road (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
51 min., sd., b&w, 16 mm. (Campaign reports series)
Order no. CR 3.
Summary: Documentary record of the construction of a supply road through the mountains and jungles of Burma in World War II.
Borrow from Army. *Buy from* NF.

Stop, look, and question (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
95 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min. (On-the-job supervision series, no. 5)
Order no. SFS 80-8.
Summary: Explains how to improve job methods by following these steps: break down the job, question every detail, develop the new method, and apply the new method.
Borrow from Army. *Buy from* NF.

Stop rheumatic fever (*Motion picture*) U. S. Public Health Service in cooperation with the Council on Rheumatic Fever and Congenital Heart Disease of the American Heart Association, 1955. Made by Transfilms.
13 min., sd., b&w, 16 mm.
Order no. MIS-304
With discussion guide.
Summary: Explains, by animation, the dangers of rheumatic fever and its relationship to common colds and coughs.
Borrow from PHS.

The story of a storage battery (*Motion picture*) U. S. Bureau of Mines in cooperation with Willard Storage Battery Co., 1947.
32 min., sd., b&w, 16 mm.
Order no. 225.
Silent version with same title, order no. 100, issued in 1931, withdrawn in 1952.
Summary: Explains by animation the principle of a storage battery; shows the operations in the manufacture of storage batteries; gives instructions on the care of batteries; illustrates industrial and domestic uses of batteries.
Borrow from BM. *Cleared for tv.*

Story of a transport (*Motion picture*) U. S. Coast Guard, 1945.
18 min., sd., b&w, 16 mm.
Summary: Reviews the World War II service of the transport "Wakefield," formerly the liner "Manhattan"; shows it being used for the transportation of troops, bombed at Singapore, and burned in the Atlantic.
Borrow from CG.

Story of a USDA popular bulletin (*Filmstrip*) U. S. Dept. of Agriculture, 1959.
26 fr., b&w, 35 mm.
Order no. 723
Summary: Describes the processes involved in the preparation of a USDA bulletin.
——— Another issue. double fr.
Buy from Photo Lab.

The story of an Air Force base (*Motion picture*) U. S. Dept. of the Air Force, 1962.
10 min., sd., b&w, 16 mm.
Order no. SFP 1150
Summary: Flashbacks portray air pioneers and aviation history as Gen. Thomas D. White narrates events linking Bolling AFB to the growth and development of USAF.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

A story of arc welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Lincoln Electric Co., 1945.
24 min., sd., color, 16 mm.
Order no. 214.
Summary: Explains the advantages of arc welding; demonstrates the techniques of such welding; and shows the uses of arc welding in industry, on the farm, and for the repair of military equipment.
Borrow from BM. *Cleared for tv.*

A story of copper
see Copper, the oldest modern metal

The story of gasoline (*Motion picture*) U. S. Bureau of Mines in cooperation with the Standard Oil Co. (Indiana) 1958.
23 min., sd., color, 16 mm.
Order no. 229.
Revision of the 1948 motion picture of the same title.
Summary: Explains the composition and action of gasoline, and shows how it is manufactured from crude oil to finished product.
Borrow from BM.

A story of goodwill (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Warner News. Released for public educational use through U. S. Office of Education, 1952.
19 min., sd., b&w, 16 mm.
Summary: Portrays four students at International House, N. Y.—Korean, Japanese, Chinese, and Filipino—discussing the assistance given their countries by the United States.
Buy from NF. *Cleared for tv. Prior authorization required.*

A story of lead (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.
22 min., sd., b&w, 16 mm.
Order no. 228.
Revision of 1948 film of same title.
Summary: Portrays mining operations in the lead belt of Southeast Missouri; the crushing of ore, smelting, refining, and other steps in the production of pig lead for industrial use.
Borrow from BM. *Cleared for tv.*

The story of lubricating oil (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1949.
21 min., sd., color, 16 mm.
Order no. 235.
Summary: Explains through animated drawings how lubricants are derived from crude petroleum; shows types of refining equipment, the use of additives to improve the quality of lubricating oil, and control and performance tests in the manufacture of lubricating oil.
Borrow from BM. ***Cleared for tv.***

The story of MDAP (*Motion picture*) U. S. Dept. of the Army, 1951.
27 min., sd., b&w, 16 mm.
Order no. MF 45-7844.
Summary: Explains the origin, development, and purpose of the Mutual Defense Assistance Program.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The story of menhaden (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with 11 menhaden companies, 1951. Made by Sun Dial Films.
20 min., sd., color, 16 mm.
Summary: General portrayal of the menhaden industry in the United States, showing steps in the catching and processing of menhaden.
Borrow from **FWS.** *Cleared for tv. Prior authorization required.*

The story of naval aviation (*Motion picture*) U. S. Dept. of the Navy, 1954.
28 min., sd., b&w, 16 mm.
Order no. MN 7989.
Summary: A history of the development of naval aviation in the U. S. Navy. Emphasizes the integration of aviation with other activities in fleet operations.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Story of the aircraft propeller (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
43 fr., b&w, 35 mm.
Order no. SN 2788.
Summary: Discusses the principle upon which all propellers operate; explains the operating advantages and limitations of different types of modern propellers.
Borrow from Navy.

Story of the Great Lakes (*Motion picture*) U. S. Coast Guard, 1954.
28 min., sd., b&w, 16 mm.
Summary: Explains and portrays the economic importance of the Great Lakes in the transportation of iron ore, coal, grain, and other raw materials, and the functions and operations of the U. S. Coast Guard in maintaining this inland waterway.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

Story of the great rivers (*Motion picture*) U. S. Coast Guard, 1960.
28 min., sd., color, 16 mm.
Summary: Uses animated maps and live sequences to picture the early days of the Mississippi, Missouri, and Ohio Rivers. Describes the duties of the Coast Guard on these rivers, including aids-to-navigation, search and rescue, port security, and flood operations. Shows the inspection of pleasure craft and discusses the duties of the U. S. Army Corps of Engineers in controlling the rivers.
Borrow from CG. *Buy from* NF.

The story of the helicopter (*Motion picture*) U. S. Army Air Forces, 1944.
21 min., sd., b&w, 16 mm.
Order no. TF 1-3677.
Summary: Reviews the history of rotary winged aircraft designed on Leonardo da Vinci's direct-lift principle; shows how the first practical design, the FW-61, evolved from numerous unsuccessful experiments; distinguishes the helicopter from the autogyro; and describes Sikorsky's XR-4.
Borrow from AF. *Cleared for tv.*

The story of the modern storage battery (*Motion picture*) U. S. Bureau of Mines in cooperation with Willard Storage Battery Division of the Electric Storage Battery Co. Released by U. S. Bureau of Mines, 1959.
27 min., sd., color, 16 mm.
Order no. 225
Revised version of the 1947 motion picture entitled The story of a storage battery.
Summary: Describes the history, manufacture, uses, and maintenance of storage batteries.
Borrow from BM. *Buy through* BM. *Cleared for tv.*

The story of uranium
see The petrified river: The story of uranium

The stowaway series
see
Disease and personal hygiene
Food storage
Galley sanitation

Straddle and surface milling to close tolerances (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
27 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 2)
Order no. OE 13.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to make surface and straddle milling cutter setups; surface mill four sides of a workpiece; and machine a workpiece to a T shape by straddle-milling.
Buy from NF.

Straddle and surface milling to close tolerances (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
53 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 2)
Order no. OE 13-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Straddle milling (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 3)
Order no. OE 14.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to use an indexing fixture for production milling operations; space cutters on an arbor for straddle milling; and mill parallel bosses on connecting rods.
Buy from NF.

Straddle milling (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
40 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 3)
Order no. OE 14-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Straggler control (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
18 min., sd., b&w, 16 mm.
Order no. TF 19-1807.
Summary: Illustrates methods of detecting and apprehending three kinds of stragglers—the lost, the sick, and the deliberate straggler. Explains the organization and operation of a straggler line, straggler post, and patrols collection points.
Borrow from Army.

Straps and transportation bridles (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
15 min., sd., b&w, 16 mm. (Military stevedoring series, no. 5)
Order no. TF 55-1118.
Summary: Shows how to attach straps and bridles to various types of draughts, handle in vertical position, and use dunnage properly.
Borrow from Army. *Buy from* NF.

Strategic Air Command (*Motion picture*) U. S. Dept. of Defense, 1952.
20 min., sd., b&w, 16 mm.
Order no. RTAF 145.
Summary: Explains in general the mission and operations of the Strategic Air Command of the U. S. Air Force, and shows in detail a routine practice bombing run by a B-36 plane. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army. *Cleared for tv.*

The strategic attack (*Motion picture*) U. S. Dept. of the Air Force, 1951.
30 min., sd., color, 16 mm.
Order no. TF 1-4613.
Summary: Shows the strategic bombing of Japan, the building of necessary weapons, and the results of the bombing.
Borrow from AF. *Cleared for tv.*

Strategic Iran (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFIF 27.
Summary: Explains the geography, terrain, government, and cultural, economic, and political aspects of Iran, and emphasizes the importance of its oil resources. Prepared for use by U. S. Armed Forces personnel.
Borrow from Army. *Cleared for tv.*

Streptomycin (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
Summary: Reviews the events and work that led to the discovery of the drug, streptomycin, by Dr. Waxman at Rutgers University. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv.* *Prior authorization required.*

Strictly personal (*Motion picture*) U. S. War Dept., 1945.
36 min., sd., b&w, 16 mm.
Order no. TF 8-2086.
Summary: Basic rules of personal health and hygiene for WAC personnel. For female audiences only.
Borrow from Army.

Striking back against rabies
see
The fight against rabies

Strip cropping for wind erosion control and vetch in corn for soil improvement (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
29 double fr., color, 35 mm.
Order no. C-66.
With lecture notes.
Summary: A film report of studies on wind erosion control on irrigated lands using strip cropping for wind erosion control and vetch in corn for soil improvement, as demonstrated at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
Buy from PhotoLab.

Structural standards for restaurants (*Filmstrip*) U. S. Public Health Service, 1954.
60 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Food handling series, no. 8)
Order no. F 148-h.
Summary: Shows factors of construction affecting the sanitation and cleanliness of eating establishments, including floors, walls, ceiling, ventilation, lighting, and toilet facilities.
Borrow from PHS. *Buy from* NF.

Studies in bacteriology. Part 2: Mobility (*Motion picture*) U. S. Public Health Service, 1953.
4 min., si., b&w, 16 mm.
Order no. M 130-b.
Based on photography done in 1930-31 by R. P. Loveland of Eastman Kodak Co. Research Laboratories.
Summary: Shows by cinephotomicrography and explains by captions the motility of monotrichous, amphitrichous, and peritrichous bacteria.
Borrow from PHS. *Buy from* NF.

Studies in bacteriology. Part 3: Cell division (*Motion picture*) U. S. Public Health Service, 1953.
5 min., si., b&w, 16 mm.
Order no. M 130-c.
Based on photography done in 1930-31 by R. P. Loveland of Eastman Kodak Co. Research Laboratories.
Summary: Shows by cinephotomicrography and explains by captions the process of cell division of spherical and rod-shaped bacteria.
Borrow from PHS. *Buy from* NF.

A study of air flow by means of smoke (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.
30 min., si., b&w, 16 mm.
With lecture notes.
Long version with the same title also released in 1942.
Summary: Explains through pictures of flow, made visible by smoke in the NACA smoke-flow tunnel, the meaning of resistance or drag and of sustentation or lift, using a flat plate, a circular cylinder, and streamlined bodies. Shows effect of shape on drag and on lift, and methods of reducing drag and increasing lift. For use by technical personnel, particularly students beginning the study of the aeronautical sciences.
Borrow from NASA.

A study of air flow by means of smoke (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.
60 min., si., b&w, 16 mm.
With lecture notes.
Condensed version with the same title also released in 1942.
Summary: Explains through pictures of flow, made visible by smoke in the NACA smoke-flow tunnel, the meaning of resistance or drag and of sustentation or lift, using a flat plate, a circular cylinder, and streamlined bodies. Shows effect of shape on drag and on lift, and methods of reducing drag and increasing lift. For use by technical personnel, particularly students beginning the study of the aeronautical sciences.
Borrow from NASA.

A study of air flow in an engine cylinder (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1937.
15 min., si., b&w, 16 mm.
Order no. TF 12.
With lecture notes.
Summary: Shows through high-speed pictures (2,000 photographs per second) induced air flow, made visible by mixing feathers with the entering air, in a low-compression engine cylinder, using both plain and shrouded intake valves in various arrangements. A record film for technical personnel, to be used with NACA Report 653: A study of air flow in an engine cylinder.
Borrow from NASA.

A study of combustion in a spark-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.
15 min., si., b&w, 16 mm.
Order no. TF 13.
With lecture notes.
Summary: Shows through high-speed pictures (taken at speeds up to 2,400 per second) the physical phenomena accompanying knocking combustion in a spark-ignition engine under varying conditions of air-fuel ratio, engine speed, blends of fuel, and fuels having different octane ratings. A record film for technical personnel, to be used with NACA Report 622: A photographic study of combustion and knock in a spark-ignition engine.
Borrow from NASA.

A study of the U. S. S. R. (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.
25 min., sd., b&w, 16 mm.
Order no. AFIF 105.
Summary: A study of the Union of Socialist Soviet Republics, including the historical background of Russia; its expansion since the Revolution in terms of the development of the Soviet bloc; the geographical expanse of the nation, its borders, climate, harbors, and natural resources; its economic and industrial growth; the past and present culture of the Russian people; and its agriculture, education, scientific development, and political philosophy.
Borrow from Army.

Subarctic cross-country mobility. Part 2: Summer operations (*Motion picture*) U. S. Dept. of the Army, 1956.
11 min., sd., b&w, 16 mm.
Order no. TF 31-2297.
Summary: Illustrates and compares summer and winter aspects of subarctic terrain, and shows how various routes are traversed in this area through scenes of a platoon journey through the forest, over the tundra, and finally through muskeg. Explains the nature and character of tundra, muskeg, permafrost, and frozen subsoil, and points out that knowledge of the terrain will facilitate travel through subarctic regions.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Subcutaneous infections (*Filmstrip*) U. S. Public Health Service, 1951.
17 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 13-c.
Summary: Depicts morphological characteristics of tissue phases of fungi with particular reference to chromoblastomycosis, mycetoma, rhinosporidiosis, and sporotrichosis. Consists of pictures which may be used for making 2 x 2-inch slides.
Borrow from PHS.

Subgrade preparation (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., b&w, 16 mm. (Military roads series, no. 5)
Order no. TF 5-1197.
Summary: Demonstrates how to plan earth-moving operations to create best subgrade, mix sand and clay to obtain the optimum subgrade, locate subgrade to prevent failure from water, and create artificial subgrade on marshy ground.
Borrow from Army. *Buy from* NF.

Subluxation (*Motion picture*) U. S. Dept. of the Army, 1962.
10 min., sd., color, 16 mm.
Order no. PMF 5346
Summary: Describes the clinical symptoms of hypermobility of the temporal mandibular joint, and demonstrates the subluxation method for correcting this condition. Covers examination of centric movement and excursion of patient's jaw action; equipment, technique, and treatment to produce sclerosis of involved tissue; and radiographic views of condyle position before and after treatment.
Borrow from Army.

Submandibular and submental triangle (*Motion picture*) U. S. Veterans Administration, 1957.
24 min., sd., color, 16 mm. (Head and neck anatomy series, no. 3)
Summary: Demonstrates, on a cadaver, the boundaries of the submandibular and submental triangles and shows the important structures therein.
Borrow from VA. *Buy from* NF.

The submarine. Part 2: Construction (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.
29 min., sd., b&w, 16 mm.
Order no. FN 8024–b.
Summary: Describes the construction of the modern submarine, including the pressure hull, tanks, and superstructure; and each of the basic systems of the submarine.
Borrow from Navy. *Buy from* NF.

The submarine. Part 3: Diving and surfacing (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.
12 min., sd., b&w, 16 mm.
Order no. MN 8024–c.
Summary: Discusses methods used by a submarine in submerging, and explains positive, negative, and neutral buoyancy. Presents an evaluation of surfacing.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The submarine. Part 4: Operating submerged (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.
18 min., sd., b&w, 16 mm.
Order no. MN 8024–d.
Summary: Shows the operation of a submarine while submerged, including the use of special ballast tanks, trim tanks, and submarine speed of contract depths. Briefly describes the snorkel system and the operation snorkeling.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Submarine noise reduction: Bearings, care in installation (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Herbert Kerkow, inc.
19 min., sd., b&w, 16 mm.
Order no. MN 8140–b.
Summary: Shows methods of reducing bearing-introduced noise and vibration in the battery vent blower. Describes the manufacture and testing of bearings, testing of battery vent blower before overhaul, checking of critical dimensions applicable to bearings, installation of bearings, balancing of unit in the bearings, and testing for vibration after overhaul.
Borrow from Navy. *Buy from* NF.

Sucking wounds of the chest (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.
15 min., sd., color, 16 mm.
Order no. MN 7477.
Summary: Five important steps necessary in prompt and proper treatment for a sucking chest wound are demonstrated by means of a simulated casualty on the battlefront.
Borrow from Navy. *Buy from* NF.

Suction socket artificial limb (*Motion picture*) U. S. Veterans Administration, 1951.
24 min., sd., color, 16 mm.
Summary: Describes a recently developed unharnessed prosthesis for above-knee amputees, held on by a slight negative pressure in the closed socket and by adherence of the stump to the socket walls. Stresses the need for coordinated effort by the amputee, surgeon, and limb-fitter; depicts necessary gait training; and appraises the benefits of the suction socket prosthesis. For medical personnel.
Borrow from VA. *Buy from* NF.

Suggestion box (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
Summary: How war plant workers in 1944 were encouraged to submit suggestions and how some of these suggestions, when put into practice, resulted in a saving of time, labor, and materials.
Buy from NF.

Suggestion power (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.
18 min., sd., b&w, 16 mm.
Order no. MF 61–1100.
Summary: Illustrates how the War Dept. suggestion program, "Ideas for victory," improved efficiency in war production.
Borrow from Army. *Buy from* NF.

Sumatra (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
97 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm. 15 min. (Theatres of war series. Pacific area: Netherlands East Indies)
Order no. SN 1538–a.
Summary: Describes Sumatra's aerologic and climatic characteristics; how to make the best of existing conditions; and characteristics of some of the various natives.
Borrow from Navy. *Buy from* NF.

The summary court-martial (*Motion picture*) U. S. Dept. of the Army, 1954.
45 min., sd., b&w, 16 mm.
Order no. TF 15–1961.
Summary: Presents four typical cases which may be tried in a summary court-martial. Illustrates conditions which prompt a recommendation for trial, relationship of the summary court officer to the accused, procedure followed in trial, mitigation and extenuation in defense, conviction and sentencing.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Summary court martial (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.
26 min., sd., b&w, 16 mm. (Uniform code of military justice series)
Order no. MN 7319–c.
Summary: Demonstrates the procedures and conduct of a summary court-martial and explains the duties and responsibilities of Navy officers at such a court-martial.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Summary of results of model ditching investigations of five transport airplanes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
15 min., si., b&w, 16 mm.
Order no. TF 19.
Summary: Pictures of dynamic models of the Lockheed Constellation (with and without speedpak) and Constitution, the Douglas DC–4 and DC–6, and the Boeing Stratocruiser being launched so that they glide freely onto the water in an NACA tank. Explains the damage that may be expected and the resulting behavior of the airplanes, and of the nose-up attitude recommended for such emergencies. Shows landings made at high and low altitudes, at different speeds, all with flaps full-down and in calm water. Comments on what may be expected in rough water.
Borrow from NASA.

Summer care and harvesting in the home garden (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
35 fr., b&w, 35 mm.
Order no. 704.
With lecture notes.
Summary: Shows techniques in caring for a vegetable garden during the growing months and methods of harvesting at the proper time.
Buy from PhotoLab.

Summer incident (*Motion picture*) U. S. Dept. of the Navy, 1959.
27 min., sd., color, 16 mm.
Order no. MN 8982.
Summary: Using the Lebanon crisis as an example, shows the significance of being able to meet continuous world crises and small-war situations. Discusses the role played by Navy and Marine Corps personnel in supporting the foreign policy of the United States.
Borrow from Navy. *Cleared for tv.*

Summer movements in the Arctic (*Motion picture*) U. S. Dept. of the Army, 1950.
15 min., sd., b&w, 16 mm.
Order no. FB 20-232.
Summary: Shows typical terrain features of Arctic and sub-Arctic regions, explains characteristics peculiar to these regions, and emphasizes the difficulties involved in the movement of men and supplies.
Borrow from Army. *Cleared for tv.*

Sun, sand, and survival (*Motion picture*) U. S. Dept. of the Air Force, 1954.
22 min., sd., color, 16 mm.
Order no. TF 1-4991
Summary: Analyzes the physiological effects of prolonged heat and thirst and emphasizes the importance of sweat control and the proper use of water on the desert. Also shows the proper use of survival equipment and how to set up a survival plan, send distress messages, make shade, and use the survival manual.
Borrow from AF. *Cleared for tv.*

Sundays in the valley of Mexico (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942 Re-released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm.
Summary: Shows Sunday recreational opportunities in Mexico City, including scenes of a large cathedral, the roof garden of a modern hotel, and Xochimilco.
Buy from NF.

Sunset Division: 41st Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.
15 min., sd., b&w, 16 mm.
Order no. MF 130-7730.
Summary: History of the U. S. 41st Infantry Division, particularly during World War II.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Supercharging and fuel injection (*Motion picture*) U. S. Dept. of the Army, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 9-2240.
Summary: Discusses the supercharging and fuel injection systems used on army vehicles to provide increased horsepower for engines without increasing the size of the engine; and covers their purpose, components, and functions.
Borrow from Army. *Buy from* NF.

Superficial infections (*Filmstrip*) U. S. Public Health Service, 1951.
15 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 13-a.
Summary: Depicts morphological characteristics of tissue phases of fungi with particular reference to otomycosis, black piedra, tinea versicolor, and trichomycosis axillaris. Consists of pictures which may be used for making 2 x 2-inch slides.
Borrow from PHS.

Superficial structures and boundaries of the carotid triangle (*Motion picture*) U. S. Veterans Administration, 1957.
21 min., sd., color, 16 mm. (Head and neck anatomy series, no. 1)
Summary: Demonstrates, on a cadaver, progressive dissection of the structures superficial to the carotid triangle and the limitations of its boundaries.
Borrow from VA. *Buy from* NF.

Supersonic jet tests of simplified wing structures (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.
5 min., si., b&w, 16 mm.
Order no. L-220.
Summary: Shows the results of tests on models of small multiweb wing structures under supersonic flight conditions to determine the structural effects of aerodynamic heating. For technical personnel.
Borrow from NASA.

Supersonic thunderbirds (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., color, 16 mm.
Order no. SFP 637.
Revision of the 1956 motion picture entitled The thunderbirds.
Summary: Portrays the famous jet aerobats in their homes and in Super Sabres as they fly through breath-taking maneuvers, including a power climb, the graceful cloverleaf turn, an intricate loop with wing tips overlapping, a tight 360° turn that builds up terrific G forces, and the spectacular "bomb burst."
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Supervising women workers (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.
11 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 158.
With instructor's manual.
Summary: A plant manager advises a foreman to remember that women workers haven't the same industrial experience as men and very often have more home responsibilities; and to take these facts into account in his supervision.
Buy from NF.

Supervising workers on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 157.
With instructor's manual.
Summary: Dramatized incidents illustrating good and poor methods of supervision, including the necessity for obtaining the confidence of workers and the dangers of "snoopervising."
Buy from NF.

Supervising workers on the job
see also
Supervision de los obreros en su trabajo

Supervision de los obreros en su trabajo (*Motion picture*) U. S. Office of Education [1959?]
10 min., sd., b&w, 16 mm.
Order no. OE 157-Sp.
Spanish version of the 1944 motion picture entitled Supervising workers on the job.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Uses dramatized incidents to illustrate good and poor methods of supervision, discussing the necessity for obtaining the confidence of workers and describing the dangers of "snoopervising."
Buy from NF.

Supervision series
see
Developing cooperation

The supervisor as a leader, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
14 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 168.
With instructor's manual.
Summary: Four dramatized episodes illustrating poor supervisory practices and the importance of the following rules: Always keep promises. Never take credit for someone else's work. Don't pass the buck. Don't play favorites.
Buy from NF.

The supervisor as a leader, part 2 (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 169.
With instructor's manual.
Summary: Four more dramatized instances of poor supervision leading to the following generalizations: Be a leader not an authoritarian. Show appreciation for a job well done. Do not become angry. Protect the rights and feelings of workers.
Buy from NF.

Supplemental control for topographic mapping (*Motion picture*) U. S. Geological Survey, 1953.
25 min., sd., color, 16 mm.
Summary: Shows equipment and techniques used by the U. S. Geological Survey in determining the elevations of supplemental control points for photogrammetric mapping, including plane table and stadia surveys in terrain of moderate relief, triangulation methods in mountainous country without vegetation, and two-base altimetry in mountainous terrain with dense timber cover.
Borrow from GS.

The supply manager's dilemma (*Motion picture*) U. S. Dept. of the Navy, 1960.
19 min., sd., color, 16 mm.
Order no. MN 9460.
Summary: Describes the influence of order costs, holding costs, shortages, and other factors in determining supply management policies.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Supply procedures for TOE organizations and non-TOE activities (*Motion picture*) U. S. Dept. of the Army, 1959.
26 min., sd., b&w, 16 mm.
Order no. TF 38-2839.
Summary: Explains the new supply concept used by the modern Army and shows how it functions in relation to TOE (Table of Organization and Equipment) units and non-TOE activities.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Support in emergencies: Riot control (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use, 1956.
29 min., sd., b&w, 16 mm.
Order no. TF 19-1701.
Summary: Demonstrates through dramatized incidents the four types of action which may be successively necessary to control a riot: show of force, riot control formations, chemical agents, and fire by selected marksmen against snipers. Emphasizes proper military bearing on the part of each military policeman to impress the crowd, the necessity for remaining well-mannered but firm at all times, and the employment of the minimum number of troops necessary for the mission.
Borrow from Army.

Surgical anatomy of thyroid gland, trachea, and larynx (*Motion picture*) U. S. Veterans Administration, 1963.
33 min., sd., color, 16 mm. (Head and neck anatomy series, no. 6)
Summary: Demonstrates, through an anatomical dissection of the head and neck, the surgical anatomy of laryngotomy and thyroidotomy. Depicts the superficial veins, infrahyoid muscles, larynx, thyroid gland, deep veins, cricothyroid muscles, and cricothyroid ligament. Shows the larynx exposed from a posterior aspect and the production of an artificial glottis edema.
Borrow from VA.

Surgical approaches to the ankle joint (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
32 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anatomy of the dorsolateral and medial aspects of the ankle joint; shows operations employing approaches to the dorsal, lateral, medial, and posterior aspects of the joint; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the bones of the foot
see
Surgical approaches to the joints of the foot

Surgical approaches to the bones of the wrist
see
Surgical approaches to the joints of the wrist

Surgical approaches to the elbow joint (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.
29 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anatomy of the anterior and posterior aspects of the elbow joint; shows operations employing approaches to the anterolateral, lateral, medial, and posterior aspects of the joint; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the hip joint (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.
36 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anatomy of the anterior and posterior aspects of the hip joint; shows operations employing approaches to the anterolateral, straight lateral, and posterolateral aspects of the joint; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the joints of the foot (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
32 min., sd., color, 16 mm.
Also known as Surgical approaches to the bones of the foot.
Summary: Explains by animated diagrams the dorsolateral and medical aspects of the foot; shows operations employing approaches to the dorsal, dorsolateral, and plantar aspects; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the joints of the wrist (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
34 min., sd., color, 16 mm.
Also known as Surgical approaches to the bones of the wrist.
Summary: Explains by animated diagrams the anatomy of the volar, dorsal, and ulnar aspects of the wrist; shows operations employing approaches to the volar, radio-volar, ulnar, and dorsal aspects; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the knee joint (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.
37 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anterior and posterior aspects of the knee joint; shows operations employing approaches to the anterior and posterior aspects and to the medial and lateral semilunar cartilages; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the scapulohumeral joint (*Motion picture*) U. S. Veterans Administration, 1949. Made by Churchill-Wexler Film Productions.
36 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anatomy of the scapulohumeral joint; shows operations utilizing anterior, posterior, and muscle-splitting incisions; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the spine and sacroiliac (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
28 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anatomy of the posterior aspect of the sacroiliac and the anterior and posterior aspects of the region of the spine with emphasis upon the lumbar area; shows operations involving the sacroiliac and the retroperitoneal space; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

Surgical approaches to the sternoclavicular and acromioclavicular joints (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
17 min., sd., color, 16 mm.
Summary: Explains by animated diagrams the anatomy of the anterior aspect of the sternoclavicular and acromioclavicular joints; shows operations approaching each joint; and recapitulates each operation in animation. For medical personnel.
Borrow from VA. *Buy from* CW.

The surgical dressing carriage (*Filmstrip*) U. S. Dept. of the Army, 1955.
65 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-138.
Summary: Describes the reasons for using a surgical dressing carriage, equipment on the carriage, use of this equipment on the ward, procedures followed by the technician, and cleaning and restocking of the carriage.
Borrow from Army. *Buy from* NF.

Surgical dressings (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.
19 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511-s.
Summary: Shows how to check the dressing cart and prepare it for use, work with a medical officer in changing a dressing, and change a dressing unassisted.
Borrow from Navy. *Buy from* NF.

Surgical excision of oral leukoplakia (*Motion picture*) U. S. Dept. of the Army, 1961.
18 min., sd., color, 16 mm.
Order no. PMF 5338.
Summary: Describes the clinical symptoms, histologic criteria, prognosis, and surgical techniques used in the management of oral leukoplakia. Demonstrates the excision of lesions from the oral cavity and tongue and explains the stripping procedure used to remove enjoined areas involved. Emphasizes that a microscopic analysis should be made of excised tissue.
Borrow from Army. *Buy from* NF.

Surgical management of omphalocele; Second stage repair (*Motion picture*) U. S. Dept. of the Navy, 1957.
12 min., sd., color, 16 mm.
Order no. MED 1-57.
Summary: A technical film report showing second stage repair of an omphalocele in an 18-month-old infant; shows infant, and lateral and frontal X-ray views of omphalocele before surgery; demonstrates tedious, difficult, and gentle dissection required to separate amniotic sack from skin and underlying fascia tissue of abdomen; shows return of intestines to abdominal cavity through the hernial opening; depicts closure of incision in layers, and the trimming of redundant skin; shows the results of surgery in an infant two weeks postoperatively.
Borrow from Navy.

The surgical treatment of carotid body sensitivity in man (*Motion picture*) U. S. Dept. of the Army, 1951.
20 min., sd., color, 16 mm.
Order no. PMF 5171.
Summary: Shows carotid body sensitivity in a patient and the surgical procedures necessary for correction; compares preoperative and postoperative electroencephalograms and electrocardiograms.
Borrow from Army.

Survey of astronautics (*Motion picture*) U. S. Dept. of the Air Force, 1960.
23 min., sd., color, 16 mm.
Order no. TF 1-5292.
Summary: Presents, on the basis of current Air Force concepts of space exploration and man's progress in mastering rocket flight, a theoretical forecast of what lies ahead for man in the science of astronautics.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

A survey of refuse disposal methods (*Motion picture*) U. S. Public Health Service, 1959.
10 min., sd., color, 16 mm.
Order no. M 328.
Summary: A filmograph. Demonstrates the advantages and disadvantages of methods of refuse disposal—ranging from open dumps, dumping in ocean and rivers, and back-yard burning to scientifically engineered metropolitan incineration and sanitary landfills.
Borrow from PHS. *Cleared for tv. Prior authorization required.*

Buy from NF.

Surveying series
see
Building and utility layout
Measuring and leveling
Traversing

Surveyors at work (*Motion picture*) U. S. Coast and Geodetic Survey, 1957.
23 min., sd., color, 16 mm.
Summary: Explains and illustrates the activities of the Coast and Geodetic Survey.
Borrow from CGS.

Survival in the Aleutians (*Motion picture*) U. S. Dept. of the Air Force, 1951.
58 min., sd., color, 16 mm.
Order no. TF 1-4600.
Summary: Shows actual conditions existing and methods of survival for personnel forced down or isolated in the Aleutians.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Survival in the Arctic tundra (*Motion picture*) U. S. Dept. of the Air Force, 1949.
70 min., sd., color, 16 mm.
Order no. TF 1-4507.
Summary: Shows a transport crew forced to abandon an airplane after becoming lost over the Arctic tundra, and illustrates the correct methods of survival to be followed.
Borrow from AF. *Cleared for tv.*

Survival in the South Pacific (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
80 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Theatres of war series. Pacific area)
Order no. SN 1538-1.
Summary: How to obtain water and food, build a fire, construct a shelter, get along with natives, and protect oneself if forced down on an island.
Borrow from Navy. *Buy from* NF.

Survival on polar sea ice (*Motion picture*) U. S. Dept. of the Air Force, 1954.
35 min., sd., b&w, 16 mm.
Order no. TF 1-4984.
Summary: Demonstrates methods used in building a shelter on polar sea ice, obtaining drinking water, setting up radio and ground signals, and hunting for food.
Borrow from AF. *Cleared for tv.*

Survival on the ice cap (*Motion picture*) U. S. Dept. of the Air Force, 1955.
40 min., sd., b&w, 16 mm.
Order no. TF 1-4907.
Summary: Shows how the members of an air crew, forced down on the ice cap, follow survival procedures carefully and return to their base.
Borrow from AF. *Cleared for tv.*

Survival stresses (*Motion picture*) U. S. Dept. of the Air Force, 1961.
30 min., sd., color, 16 mm.
Order no. TF 1-5375.
Summary: Discusses major physiological and psychological stresses that may be encountered by persons facing a survival situation in the Arctic, on the desert, in the tropics, and on water. Describes methods of detecting, understanding, and combating such stresses as hunger, thirst, cold, fatigue, and fear; shows how to recognize and avoid dehydration; and emphasizes the importance of reading manuals and viewing training films on survival.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Survivor recovery and handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

9 min., sd., color, 16 mm. (Search and rescue series. Standardization of crew training for search and rescue craft)

Order no. MG 5381–a.

Summary: Shows methods of using survival suits, flotation litter, and small boats; and demonstrates methods of resuscitation of survivors. Primarily for crews of U. S. Coast Guard search and rescue craft smaller than ocean station vessels.

Buy from NF. Cleared for tv.

Suspects and witnesses. Part 1: Basic interviews (*Motion picture*) U. S. Dept. of the Army, 1957.

16 min., sd., b&w, 16 mm.

Order no. TF 19-2442.

Summary: Enacts interviews of two typical witnesses by a military policeman after an accident involving a military truck and a civilian car, illustrating the effects of various factors on the witnesses' observations and the reconstruction of events. Stresses the techniques used to obtain accurate statements, effects of emotion and prejudice on observations, and the importance of interviewing witnesses separately and soon after the accident.

Borrow from Army.

Suspects and witnesses. Part 2: Complainants and hostile witnesses (*Motion picture*) U. S. Dept. of the Army, 1957.

21 min., sd., b&w, 16 mm.

Order no. TF 19-2443.

Summary: Through interviews of two witnesses by military police criminal investigators, illustrates the following points: don't accept a story at face value; extreme caution is required in handling exaggerated and false complaints; an innocent bystander does not have the right to remain silent; conversely, an individual involved in an attack can remain silent by claiming protection under the 31st Article of the Universal code of military justice.

Borrow from Army.

Suspects and witnesses. Part 3: Interrogating suspects (*Motion picture*) U. S. Dept. of the Army, 1957.

44 min., sd., b&w, 16 mm.

Order no. TF 19-2444

Summary: Demonstrates two basic types of interrogation—questioning a suspect whose guilt of breaking into a PX is uncertain, and questioning the suspect of a brutal crime. Emphasizes the importance of careful planning for the interrogation.

Borrow from Army.

The Svea–Newport incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

3 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202–t.

Summary: Shows by animation the collision of the Svea and the Newport; and the causes therefor.

Borrow from Navy. *Buy from* NF.

Swaging cable terminals (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

12 min., sd., b&w, 16 mm. (Aircraft work series. Control cables, no. 3)

Order no. OE 298.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to measure and mark the cable accurately; set up the swaging machine; check the terminals after swaging; and remove, clean, and reassemble parts of the machine.

Buy from NF.

Swaging cable terminals (*Filmstrip*) U. S. Office of Education, 1944. Produced by Bray Studios.

37 fr., b&w, 35 mm. (Aircraft work series. Control cables, no. 3)

Order no. OE 298–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Swedes in America (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.

16 min., sd., b&w, 16 mm. (American scene series, no. 1)

Summary: Ingrid Bergman, speaking to her friends in Sweden, tells of the lives and contributions of Swedes in America, particularly the Swedish-American families in Minnesota. Contains a portrayal of Carl Sandburg.

Buy from NF.

"Sweepy": A message of sweeping importance (*Filmstrip*) U. S. Veterans Administration, 1956.

36 fr., b&w, 35 mm. and disc.: 1 s., 16 in., 33⅓ rpm, 15 min.

Summary: Uses cartoon characters to illustrate procedures of sweeping in hospitals.

Borrow from VA. *Buy from* NF.

Swimming for survival (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

18 min., sd., b&w, 16 mm.

Order no. MN 9198.

Summary: Stresses the importance of learning and practicing basic swimming skills by showing emergency situations where survival depends on this knowledge. Shows the side stroke, breast stroke, trudgeon, sculling, treading water, and entering the water by jumping and diving.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Swimming pool sanitation (*Filmstrip*) U. S. Public Health Service, 1953.

66 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.

Order no. F 133.

Summary: shows some of the physical characteristics and operating procedures basic to swimimng pool sanitation, including size considerations, recirculation of water, filter methods, dressing rooms, preparations for breakdowns, and maintenance of bath houses.

Borrow from PHS. *Buy from* NF.

Swimming through burning oil and through surf (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., b&w, 16 mm.

Order no. MCG 115–b, formerly MG 2063.

Summary: Demonstrates how to jump from a ship into water on which there is burning oil. and how to swim through the flames.

Buy from NF.

Swinging into step (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

33 min., sd., b&w, 16 mm.

Order no. TF 8–2063.

Summary: Shows how amputees are rehabilitated physically and psychologically for a return to normal living.

Borrow from Army. *Buy from* NF.

Sylvanus Thayer (*Motion picture*) U. S. Army Engineers, 1959.

38 min., sd., b&w, 16 mm.

Summary: Presents the life story of Sylvanus Thayer, father of the U. S. Military Academy at West Point, and describes the development and some of the activities of the Academy. Describes the contributions made by the Army Engineer West Point graduate in the development of our country.

Credits: Narrator, Lowell Thomas.

Borrow from Eng. *Cleared for tv.*

Symphony across the land (*Motion picture*) U. S. Information Agency, 1959. Made by Trident Films. Released for public educational use in the United States through U. S. Office of Education, 1959.

50 min., sd., b&w, 16 mm.

Summary: Explains the role of symphonic music in the United States today. Shows the appreciation and support of the many symphony orchestras throughout the United States as they provide the public with a rich musical environment. Featured are leading symphony orchestras from various States performing music by American composers. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Synchro systems, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540–w.
Supplementary filmstrip of same title also available.
Summary: Explains how a synchro generator controls the movement of a synchro motor; and shows the electrical transfer of angular motion between two remote points.

Borrow from Navy. *Buy from* NF.

Synchro systems, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

36 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540–aw.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Synchro systems, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

13 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540–x.
Supplementary filmstrip of same title also available.
Summary: Shows the operation of a control transformer and a differential synchro generator; explains how to use a control transformer as a receiver and a differential synchro generator when putting corrections into the signal of the circuit.

Borrow from Navy. *Buy from* NF.

Synchro systems, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

24 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540–ax.
Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Synthetic rubber (*Motion picture*) U. S. Bureau of Mines in cooperation with Goodyear Tire & Rubber Co., 1944.

21 min., sd., b&w, 16 mm.
Order no. 210.
Released also by Goodyear Tire & Rubber Co. under title American success story.
Summary: Reviews laboratory research for synthetic rubber; shows operations in a synthetic rubber plant, including the latex still, coagulator, washer, dryer, and baling of crumb rubber; explains the objectives of scientists in perfecting synthetic rubber.
Borrow from BM. *Cleared for tv.*

Syphilis
see
Diagnosis of syphilis by the general practitioner

Systemic infections (*Filmstrip*) U. S. Public Health Service, 1951.

60 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 13–d.
Summary: Depicts morphological characteristics of tissue phases of fungi with particular reference to actinomycosis, aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, cryptococcosis, histoplasmosis, and nocardiosis. Consists of pictures which may be used for making 2 x 2-inch slides.
Borrow from PHS.

T

TRR (*Motion picture*) U. S. Dept. of Agriculture, 1956.

5 min., sd., b&w, 16 mm.
Short version, prepared for television, of 6-minute film with same title.
Summary: Using animation, presents the major findings of the timber resource review made in 1953–55 by the U. S. Forest Service.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

TRR (*Motion picture*) U. S. Dept. of Agriculture, 1956.

6 min., sd., color, 16 mm.
Short version for television also issued.
Summary: Using animation, presents the major findings of the timber resource review made in 1953–55 by the U. S. Forest Service.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

TT–47/UG teletypewriter: General principles and operation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

16 min., sd., b&w, 16 mm.
Order no. MN 7467–a.
Summary: Explains how teletypewriters are used in the Navy's communications system and demonstrates for the operator the basic principles of operation, use of the various function keys, and correct procedures for setting up messages and securing the machine.

Borrow from Navy. *Buy from* NF.

TT–47/UG teletypewriter: Installation and performance tests (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

14 min., sd., b&w, 16 mm.
Order no. FN 7467–b.
Summary: Demonstrates the step-by-step procedure for unpacking, installation, and assembly of the machine. Designed for personnel who install the machines rather than for operators.

Borrow from Navy. *Buy from* NF.

TT–47/UG teletypewriter: Preventive maintenance (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

6 min., sd., b&w, 16 mm.
Order no. FN 7467–c.
Summary: Explains the importance of frequent checks and stresses the preventive maintenance technique which should be done by the operator rather than maintenance personnel. Shows cleaning, oiling, and minor adjusting of the machine.

Borrow from Navy. *Buy from* NF.

TVA (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Advisory Commission of the Council of National Defense, 1941.

21 min., sd., b&w, 16 mm.
Summary: Shows the work and accomplishments of TVA: the construction of multipurpose dams operating to help control floods, aid navigation, and produce power; and other activities in the Tennessee Valley, including agricultural work, rural electrification, research, and reforestation.
Borrow from TVA. *Buy from* TVA. *Cleared for tv.*

TVA builds Johnsonville steam plant (*Motion picture*) TVA, 1954.

21 min., sd., color, 16 mm.
Summary: A semitechnical film showing how TVA's Johnsonville steam plant, with six 125,000 kw. capability generating units, was constructed on the east shore of Kentucky Lake 12 miles west of Waverly, Tenn.
Borrow from TVA. *Buy from* TVA.

TVA town (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Transfilm. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm.
Summary: Portrays the growth of Decatur, Ala., into an industrial city through assistance provided by the Tennessee Valley Authority. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv.* *Prior authorization required.*

Tac on target (*Motion picture*) U. S. Dept. of the Air Force, 1963.
14 min., sd., color, 16 mm.
Order no. SFP 1187
Summary: Demonstrates armament and fire power of F-100, F-104, F-105, and F-110A. Reviews support capabilities of tankers, reconnaissance, and cargo aircraft: KB-50J, KC-135, RF-110A, RF-101, RB-66, WB-66, C-130, and C-123.
Borrow from AF. *Cleared for tv.*

Tachometers and synchronism indicators (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
51 fr., b&w, 35 mm.
Order no. FS 1-26.
Summary: Operating principles, inspection, and maintenance procedures for chronometric and generator voltmeter tachometers and engine synchronization indicator on multiple-engine aircraft.
Borrow from AF. *Buy from* NF.

Tactical air reconnaissance (*Motion picture*) U. S. Dept. of the Air Force, 1961.
19 min., sd., color, 16 mm.
Order no. SFP 1004.
Summary: Describes how the following aircraft are used in tactical air reconnaissance: RF101, RB66B, RB66C and WB66D. Discusses electronics, weather reporting, day photography, and night photography. Illustrates how the tactical air reconnaissance collects, evaluates, and interprets information about the movement and capability of enemy forces.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Tactical bomber in all-weather operations (*Motion picture*) U. S. Dept. of the Air Force, 1957.
11 min., sd., b&w, 16 mm.
Order no. TF 1-5186.
Summary: Demonstrates the uses and operations of the tactical bomber under all weather conditions, and stresses the importance of the tactical bomber and the need for close coordination of air, land, and sea forces in modern warfare.
Buy from NF.

Tactical day fighter and fighter bomber operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.
27 min., sd., b&w, 16 mm.
Order no. TF 1-4949.
Summary: Illustrates the basic combat air tasks for theatre forces and how tactical day fighters and fighter bomber operations are employed in combat for counter air operations, interdiction, and close air support. Shows and explains details of a mission in action.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Tailgating, left turns, parked cars
see Defensive driving: Tailgating, left turns, parked cars

Tailor-made sheep (*Motion picture*) U. S. Dept. of Agriculture, 1951.
10 min., sd., b&w, 16 mm.
Summary: Explains the work done at the U. S. Dept of Agriculture Sheep Experiment Station, Du Bois, Idaho. Shows two new breeds of sheep—the Columbia and the Targhee—which are well adapted to the American range, and describes their important characteristics.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Take a letter, please (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
22 min., sd., b&w, 16 mm.
Order no. MN 1562-c.
Summary: Burlesques common faults of dictators identified as scatterbrain, speed demon, dreamer, mumblemush, and Simon Legree; shows proper methods of dictating letters.
Borrow from Navy. *Buy from* NF.

Take 'er down (*Motion picture*) U. S. Dept. of the Navy, 1954.
13 min., sd., b&w, 16 mm.
Order no. MN 9294.
Summary: A history of the development of submarines in the U. S. Navy from 1900 to 1954. Includes scenes of the USS Nautilus, the first nuclear-powered vessel.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Take safety with you (*Motion picture*) U. S. Army Engineers, 1957.
14 min., sd., color, 16 mm.
Summary: Shows safety practices to be followed by individuals and families using the recreational facilities available at Corps of Engineers' civil works projects.
Borrow from Eng. *Cleared for tv.*

Take 6 (*Motion picture*) U. S. Dept. of the Army, 1956.
11 min., sd., b&w, 16 mm.
Order no. MF 45-8694.
Summary: Explains how National Guardsmen are trained in military skills under the provisions of the Reserve forces act of 1955. A recruiting film designed to interest teen-age youths in joining the National Guard.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Taking care of diabetes series
see
Buying good food
Care of the feet
Cooking good meals
Diabetic coma
Eating for good health
Insulin and its use
Insulin reaction
Planning good meals
Selecting meals for all occasions
Tests of diabetes
What is diabetes?

El taladro de columna (*Motion picture*) U. S. Office of Education [1959?]
10 min., sd., b&w, 16 mm.
Order no. OE 71-Sp.
Spanish version of the 1945 motion picture entitled The drill press.
Prepared in cooperation with U. S. Agency for International Development.
Summary: Describes the functions, characteristics, and basic operations of the drill press.
Buy from NF.

Tale of two cities (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.
12 min., sd., b&w, 16 mm.
Order no. ANSM 74.
Summary: A documentary record of the effects of the atomic bombing of Hiroshima and Nagasaki.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

A tale of 2,000 cities (*Motion picture*) U. S. Dept. of the Army, 1956.

25 min., sd., b&w, 16 mm.

Order no. MF 45–8710.

Summary: A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power against the enemy. Reviews the background of events that precipitated World War II, and the devastation that resulted in the cities of the Far East and Europe; traces the development of strong American military force, and highlights its achievements in World War II and the post-war policing actions in Europe and Korea.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Tanglewood, music school and music festival (*Motion picture*) U. S. Dept. of State, 1950. Made by MPO Productions. Released for educational use in the United States through U. S. Office of Education, 1951.

21 min., sd., b&w, 16 mm.

Summary: The Berkshire music school and festival at Tanglewood, Mass.; scenes of students studying at the school, performing, and listening to others, including the Boston Symphony Orchestra under the direction of Serge Koussevitsky. Prepared for overseas use.

Buy from NF.

The tank-armored infantry team (*Motion picture*) U. S. Dept. of the Army, 1949.

26 min., sd., b&w, 16 mm.

Order no. TF 17–1515.

Summary: Explains the functions and operations of a tank-armored infantry team in an armored division.

Borrow from Army.

Tanks (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

10 min., sd., b&w, 16 mm.

Summary: Shows the manufacture and performance of the M-3 Army tank.

Buy from NF.

Target: babies and children (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

29 min., sd., b&w, 16 mm. (The home nursing story, no. 9)

Based on the American Red Cross course for the care of the sick and injured.

With workbook.

Summary: Discusses the role of the home nurse in the care and treatment of infants and children.

Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.

Buy from Red Cross. *Cleared for tv.*

Target for today (*Motion picture*) U. S. Army Air Forces, 1944.

93 min., sd., b&w, 16 mm.

Order no. TF 1–3384.

Summary: Explains the effectiveness of strategic bombing upon German industry and shows the particular purpose, plan, and execution of a daylight precision bombing mission.

Borrow from AF.

Target Nevada (*Motion picture*) U. S. Dept. of the Air Force, 1953.

14 min., sd., color, 16 mm.

Order no. SFP 281.

Summary: Shows pictures of atomic explosions in Nevada and explains the part played by the U. S. Air Force in the continental test program of the Atomic Energy Commission and the nuclear weapons project of the Dept. of Defense including the gathering of photographic and electronic data, cloud tracking and cloud sampling, and testing the effects of the flash upon the eyes of Air Force crew members.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Target Tokyo (*Motion picture*) U. S. Dept. of the Air Force, 1948.

22 min., sd., b&w, 16 mm.

Order no. SFP 153.

Summary: Documentary record of a B–29 crew from early training in Grand Island, Neb., to a bombing mission over Tokyo, including the trip, the bombing operation, and the return flight to Saipan.

Borrow from AF. *Cleared for tv.*

Target within range: The key role of the USAF navigator (*Motion picture*) U. S. Dept. of the Air Force, 1960.

19 min., sd., color, 16 mm.

Order no. SFP 633.

Summary: Depicts the vital and diversified duties of the U. S. Air Force navigator.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Target Zero (*Motion picture*) U. S. Dept. of Agriculture, 1962.

20 min., sd., color, 16 mm.

Summary: Stresses the importance of keeping frozen foods at zero degrees Fahrenheit or lower during marketing channels from the processing plant through the warehouse, in transit and in storage, and at the retail level. Describes USDA research studies in time, temperature, and tolerance factors in maintaining quality of frozen foods.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Task Force Frigid (*Motion picture*) U. S. Dept. of Defense, 1948.

11 min., sd., b&w, 16 mm.

On reel with V–2 rocket: Assembling and launching.

Order no. AFSR 92.

Excerpts from the longer film of the same title (order no. M 1360)

Summary: Personnel and equipment tests conducted in extremely cold weather.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Task Force Frigid (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

37 min., sd., b&w, 16 mm.

Order no. MF 9–1360.

Summary: Film record of a military exercise held near Ladd Field, Alaska, to test the operating efficiency of men and equipment in —60° temperatures.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The Taurus–Gulf Trade incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

3 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202–p.

Summary: Collision of the Gulf Trade and the Taurus; and the causes therefor.

Borrow from Navy. *Buy from* NF.

Teach them traffic safety (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

5 min., sd., color, 16 mm.

Summary: Stresses the need for safety training at all school levels, including driver education courses in high school.

Borrow from PCTS. *Cleared for tv.*

Teaching by guided discussion (*Motion picture*) U. S. Dept. of the Air Force, 1957.

21 min., sd., b&w, 16 mm.

Order no. TF 1–5210.

Summary: Presents an Air University academic course instructor conducting a seminar in teaching psychology to demonstrate techniques of teaching by the guided discussion method, and illustrates applicable techniques.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Teaching crutch walking (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

13 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 422.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to teach the patient to walk in a walker; to learn the various methods of crutch walking—two-point, four-point, and swinging; to sit, rise, and climb stairs; and the safety factors involved in crutch walking.

Buy from NF.

Teaching crutch walking (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
48 fr., b&w, 35 mm. (Nursing series)
Order no. OE 422–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Teaching English conversation (*Motion picture*) U. S. Information Agency, 1962. Made by Thomas Craven Film Corp. Released for educational use in the United States through U. S. Office of Education, 1963.
23 min., sd., color, 16 mm.
Summary: Presents a methodology of teaching English as a foreign language. Demonstrates the hearing and speaking technique of teaching the reading, writing, and speaking of English.
Buy from NF.

Teaching English grammar (*Motion picture*) U. S. Information Agency, 1959. Made by Paul Alley Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.
19 min., sd., b&w, 16 mm.
Summary: Shows how the drill method is used in teaching English grammar through structural pattern practice rather than through memorization and application of rules; gives examples of both simple and complex patterns. Prepared for use in the USIA overseas English-teaching program.
Buy from NF. *Cleared for tv. Prior authorization required.*

Teaching English naturally (*Motion picture*) U. S. Information Agency, 1959. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1960.
17 min., sd., b&w, 16 mm.
Summary: Explains and demonstrates the informant-drill technique for teaching conversational English. Prepared for use in the USIA overseas English-teaching program.
Buy from NF. *Cleared for tv. Prior authorization required.*

Teaching machines and programmed learning (*Motion picture*) U. S. Office of Education, 1960. Made by the National Education Association.
29 min., sd., b&w, 16 mm.
Summary: Presents B. F. Skinner explaining the theory of programmed learning, Arthur Lumsdaine describing a variety of teaching machines and programmed materials, and Robert Glaser discussing the implication of such machines and materials for education.
Buy from NF. *Cleared for tv.*

Team work for a controlled environment (*Motion picture*) U. S. Dept. of the Air Force, 1958.
24 min., sd., color, 16 mm.
Order no. TF 1–8165.
Summary: Stresses the importance of healthful living and working conditions at Air Force installations and shows how a successful preventive-medicine program is dependent upon the continuing joint efforts of the various activities concerned.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Teamed for defense
see
Teamed for peace

Teamed for peace (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.
14 min., sd., b&w, 16 mm.
Order no. MN 9220.
Also known as Teamed for defense.
Summary: Shows joint planning, maneuvers, and equipment of the U. S. Armed Forces.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Teamwork (*Motion picture*) U. S. Marine Corps, 1951. Made by U. S. Dept. of the Navy.
6 min., sd., b&w, 16 mm.
Order no. MH 6760.
Summary: Explains the importance of sports in Marine Corps training.
Borrow from Navy. *Cleared for tv.*

Teamwork and you (*Motion picture*) U. S. Dept. of Defense, 1950.
10 min., sd., b&w, 16 mm.
Order no. AFIF 6.
Summary: Emphasizes the importance of teamwork, both personally and organizationally, among members of the armed forces.
Borrow from Army. *Cleared for tv.*

Teamwork on the Nevada range (*Motion picture*) U. S. Dept. of Agriculture, 1963.
18 min., sd., color, 16 mm.
Summary: Shows rural development through the combined efforts of U. S. Government agencies and Nevada ranchers.
Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Technical information services of the AEC (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by U. S. Dept. of Agriculture.
20 min., sd., color, 16 mm.
Summary: Surveys what is available in the unclassified atomic energy literature and discusses how the information can be located, obtained, and used. Describes in detail the services of the AEC's Division of Technical Information.
Borrow from AEC. *Buy from* DA–MPS. *Cleared for tv.*

Technique and sites for subcutaneous and intramuscular injections (*Filmstrip*) U. S. Dept. of the Army, 1954.
102 fr., b&w, 35 mm. and 2 discs: 3 s., 16 in., 33⅓ rpm, 31 min.
Order no. SFS 8–198.
Summary: Illustrates approved medical procedures for administering subcutaneous and intramuscular injections, various types of hypodermic equipment and their application, and the necessity of following prescribed procedures for the saftey and health of patients.
Borrow from Army. *Buy from* NF.

Technique de fonderie. Fusion des métaux
see
Le chargement et le fonctionnement d'un cubilot
Préparation d'un cubilot pour le chargement

Technique de fonderie. Moulage au banc
see
Confection d'un noyau simple
Moulage avec un modèle multiple
Moulage avec un modèle solide
Moulage d'un modèle en deux parties
Moulage d'une pièce portant un noyau vertical

Technique de fonderie. Moulage mécanique
see
Moulage au moyen d'une machine à secousse et à démoulage par renversement
Moulage avec une machine à secousse et à compression

Technique de fonderie. Moulage sur le plancher
see
Moulage avec une boite a mouler en trois parties
Moulage d'un modèle solide; sur le plancher
Moulage d'une pièce avec un noyau horizontal
Moulage d'une pièce avec un noyau profond de sable vert
Moulage du corps d'une soupage

A technique for measuring minimal social behavior (*Motion picture*) U. S. Veterans Administration, 1957.
12 min., sd., color, 16 mm.
Summary: Demonstrates the administration and scoring of a test designed to measure the minimal social behavior of severely withdrawn psychiatric patients.
Borrow from VA.

Technique of biceps cineplasty (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., color, 16 mm.
Order no. PMF 5331.
Summary: Portrays the operative technique used at the Walter Reed Army Medical Center, Washington, D. C., to perform a biceps cineplasty. Salient teaching points cover: positioning the patient and aligning the arm; transverse and vertical incisions; hemastasis; undermining procedure; formation of a tunnel in the muscle; suturing; final skin grafting; dressing. Shows the patient, following surgery, undergoing physical therapy and receiving prosthesis training.
Borrow from Army.

The technique of diving
see Deep sea diving: The technique of diving

The technique of hand sending (*Motion picture*) Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.
9 min., sd., b&w, 16 mm. (Radio operator training series)
Order no. MN 2621-b.
Summary: Identifies parts of the transmitter; explains elements of the Morse code, timing, and the importance of correct position and operation.
Borrow from Navy.

Technique of open amputation (*Motion picture*) U. S. War Dept., 1946.
11 min., sd., color, 16 mm.
Order no. PMF 5033.
Summary: Demonstrates the procedure on a below-knee open-amputation case, and the revision and final plastic repair six weeks later. For medical personnel.
Borrow from Army.

Technique of tantalum cranioplasty (*Motion picture*) U. S. Dept. of the Army, 1948.
40 min., sd., color, 16 mm.
Order no. PMF 5097.
Summary: Points out typical problems in the cosmetic correction of skull defects by means of tantalum cranioplasty. Demonstrates the technique in the formation and insertion of tantalum plates. For medical personnel.
Borrow from Army.

Techniques in aircraft fire-fighting and rescue (*Motion picture*) U. S. Dept. of the Air Force, 1957.
29 min., sd., color, 16 mm.
Order no. TF 1-5157.
Summary: Describes and shows proper fire-fighting clothing, the component parts of an 011A fire-fighting truck, and care of the truck after use. Demonstrates the use of the truck's twin turrets and ground sweeps, positioning of the truck for best results, making a path through fire to the fuselage to rescue pilot and crew, and use of hand signals to the truck control operator and the linesmen. Also explains the use of different kinds of extinguishing agents for various types of fires; the use of conical, fog, and straight streams; and precautionary measures to prevent reignition.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Techniques of exhaled-air artificial respiration (*Motion picture*) U. S. Dept. of the Air Force, 1959.
11 min., sd., b&w, 16 mm.
Order no. FTA 458.
Summary: Shows how to administer mouth-to-mouth artificial respiration.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Techniques of group chest X-ray services (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.
20 min., sd., b&w, 16 mm.
Summary: Explains the administration and operation of a miniature-film, mass-radiography program. For administrative and technical personnel.
Borrow from PHS.

Techniques of laboratory diagnosis of influenza (*Motion picture*) U. S. Public Health Service, 1960.
17 min., sd., b&w, 16 mm.
Order no. M 368.
Revision of the 1950 motion picture entitled The laboratory diagnosis of influenza.
Summary: Explains and demonstrates the step-by-step procedures used in the laboratory diagnosis of influenza, including the collection of specimens, the isolation of the virus by intra-amniotic inoculation of chick embryos, rough agglutination tests, titration, hemoglutination tests, and the establishment of antibody content.
Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Teletherapy and brachytherapy (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.
18 min., sd., color, 16 mm.
Summary: Shows the diagnostic and therapeutic uses of such radioisotopes as Co-60, Cs-137, Eu-152-154, I-131, and Y-90 in teletherapy and brachytherapy by using machines that aim a high-energy beam at a tumor or by using implants of radioactive materials in the form of needles, beads, sterile tubing, seeds, etc.
Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Templates series
see Aircraft work series. Templates

Ten thousand fires (*Motion picture*) U. S. Tennessee Valley Authority, 1942.
20 min., sd., color, 16 mm.
Summary: Explains the causes of forest fires, shows the damage resulting from such fires, and stresses the need for forest fire prevention.
Borrow from TVA. *Buy from* TVA. *Cleared for tv.*

Tension testing (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.
21 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 348.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How a hydraulic tension testing machine operates; how to prepare the machine and a specimen for a test; and conduct the test to determine the specimen's elastic limit, yield point, and ultimate strength.
Buy from NF.

Tension testing (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.
45 fr., b&w, 35 mm. (Engineering series)
Order no. OE 348-fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Tent flaps and flapjacks (*Motion picture*) U. S. Dept. of Agriculture, 1962.
26 min., sd., color, 16 mm.
Summary: Describes the recreational opportunities in the National Forests in the North Central States, including camping, swimming, boating, fishing, hiking, riding, canoeing, and an appreciation of wildlife and conservation.
Borrow from DA. *Buy from* DA-MPS. *Cleared for tv.*

Terrier, the new fleet weapon (*Motion picture*) U. S. Dept. of the Navy, 1954.
21 min., sd., color, 16 mm.
Order no. MN 8136.
Summary: Photographic report on the radar beam-riding guided missile at completion of its development stage and during evaluation firings from the USS Mississippi in 1954.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Teschen disease (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1953. Made by Byron, inc.
13 min., sd., b&w, 16 mm.
Summay: Shows characteristic symptoms of Teschen disease, a contagious virus disease attacking the brain and nervous system of swine, from its early manifestations through convulsions and final paralysis. Photographed by the Robert Koch Institute, Berlin, Germany. For doctors and students of veterinary medicine.
Rent from DA film libraries.

Test (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
44 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-m, formerly SG 3883-m.
Summary: A review quiz of 20 questions based upon the material presented in the 12 preceding filmstrips in this series, SCG 136-a through SCG 136-l.
Buy from NF.

Testing and individual therapy for the aphasic patient (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.
28 min., sd., color, 16 mm. (Aphasia, no. 2)
Summary: Explains the testing and rehabilitation procedures that are used in Veterans Administration hospitals for aphasics of different types; demonstrates various methods of psychological and personality testing; and shows patients undergoing therapy for motor, sensory, and formulation aphasia. For medical personnel.
Borrow from VA. *Buy from* CW.

Testing mass standards by substitution (*Motion picture*) U. S. National Bureau of Standards, 1956.
22 min., sd., color, 16 mm.
Summary: Demonstrates a simple method, known as error testing, for quickly determining with a high degree of precision the mass of an unknown standard by comparison with one of a known value. Shows the technique of tolerance testing, a simpler procedure used when determining whether or not the error of a standard is within certain prescribed limits. Explains forms for recording and computing results in error and tolerance testing. Live scenes supplemented by animation.
Borrow from NBS. *Buy from* NBS.

Testing series
see Welding procedures series. Testing

Tests for virulence of C. diphtheriae in animals
see Toxigenicity test of C. diphtheriae

Tests in diabetes (*Filmstrip*) U. S. Public Health Service, 1950.
38 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Taking care of diabetes series, no. 7)
Order no. 5-147.
Summary: Explains the reasons for urine and blood sugar tests for diabetes and the use of both types of tests.
Borrow from PHS. *Buy from* NF.

Texas and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.
27 min., sd., color, 16 mm.
Order no. 216.
Revision of the 1950 film released under the same title.
Summary: Gives a panoramic view of Texas, its agriculture, industry, and scenic attractions, with particular emphasis upon its mineral resources and chemical industries.
Borrow from BM. *Cleared for tv.*

That men may fly (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by American Film Producers.
23 min., sd., b&w, 16 mm.
Order no. SFP 236.
Summary: Research activities and accomplishments of the Office of the Air Surgeon, the School of Aviation Medicine, and the Aero Medical Laboratory.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

That others may live: the mission of the Air Rescue Service (*Motion picture*) U. S. Dept. of the Air Force, 1963.
22 min., sd., color, 16 mm.
Order no. SFP 1080
Summary: Shows how the Air Rescue Service, with top-flight capsule recovery teams, is geared to the space age; describes its global communications network hooked up with other rescue activities; and shows its rescue of an aircrew downed at sea.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Theatres of war series. Pacific area
see
Carolines, Marianas, Bonin Islands
Marshall, Gilbert, and Ellice Islands
Melanesia
New Guinea
Philippine Islands
Survival in the South Pacific

Theatres of war series. Pacific area; Netherlands East Indies
see
Borneo and Celebes
Java
Lesser Sunda Islands
Moluccas
Sumatra

Their effect on the contact representatives
see The difficult ones. Part 2: Their effect on the contact representatives

Then it happened (*Motion picture*) U. S. Dept. of Agriculture, 1948.
11 min., sd., color, 16 mm.
Released in 1960 under title Don't let it happen.
Summary: A documentary record of the Maine forest fire of 1947. Shows how the fire started, spread, and destroyed farms, villages, and forests before it was brought under control. Emphasizes the need for forest fire prevention and fire control measures.
Rent from DA film libraries.

Then it happened
see also
Don't let it happen

Theodore Roosevelt, American (*Motion picture*) U. S. Dept. of Defense with the cooperation of the Theodore Roosevelt Centennial Commission, 1958. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Summary: Reviews the life and achievements of Theodore Roosevelt from childhood to his death. Consists principally of drawings, cartoons, and still photographs.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Theory and principles of operation, automatic shifting unit
see
Hydraulic controls in the hydramatic transmission

Theory and principles of operation, fluid coupling and gear train
see
The fluid coupling, principles of operation

Theory of simplex and phantom circuits. Part 1: Balanced conditions (*Motion picture*) U. S. War Dept., 1944.
14 min., sd., b&w, 16 mm.
Order no. TF 11-2062.
Summary: Covers the action of currents in simplex and phantom circuits under balanced conditions; explains in animation the principles of the repeating coil; and shows how these principles are applied to obtain extra channels of communication over existing lines.
Borrow from Army.

Theory of simplex and phantom circuits. Part 2: Unbalanced conditions (*Motion picture*) U. S. War Dept., 1944.
19 min., sd., b&w, 16 mm.
Order no. TF 11-2063.
Summary: Shows action of currents in simplex and phantom circuits under unbalanced conditions, including "short," "open," and unbalanced resistances in the simplex circuit and a "short," "open," and "cross" on the phantom circuit. Explains ways to utilize equipment despite interference.
Borrow from Army.

Theory of the lead-acid storage battery (*Motion picture*) U. S. Dept. of the Navy, 1959.
25 min., sd., b&w, 16 mm.
Order no. MN 8592.
Summary: Shows in detail, by use of animation, how chemical energy is converted into electrical energy to produce electromotive force.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Therapeutic exercise: Introduction (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm.
Order no. PMF 5064.
Summary: An Army surgeon talks to his staff about pertinent problems in the use of therapeutic exercise—nature of the injury, stage of healing of the patient, precautions to be observed; and illustrates appropriate exercises to be used with patients with nerve, spinal cord, brain, chest, etc. injuries. For professional personnel.
Borrow from Army. *Buy from* NF.

Therapeutic exercise: Orthopedics (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
28 min., sd., b&w, 16 mm.
Order no. PMF 5061.
Summary: Demonstrates therapeutic exercises suitable in the management of orthopedic cases.
Borrow from Army. *Buy from* NF.

Therapeutic exercise: Peripheral nerve injuries (*Motion picture*) U. S. Dept. of the Army, 1947.
17 min., sd., b&w, 16 mm.
Order no. PMF 5063.
Summary: Shows physical and electrodiagnostic tests used to determine the extent of injuries to the peripheral nerve, and remedial exercises used in the treatment of such injuries. For medical personnel.
Borrow from Army.

Therapeutic exercise: Thoracic surgery (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
28 min., sd., b&w, 16 mm.
Order no. PMF 5056.
Summary: Covers physical examination of patients; determination of specific remedial activity; characteristic deformities; preoperative exercises; general aspects of surgery; postoperative treatment and therapy. For medical personnel.
Borrow from Army. *Buy from* NF.

Therapeutic uses of heat and cold. Part 1: Administering hot applications (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
21 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 408.
Supplemented by filmstrip of same title.
With instructor's manual.
Summary: Body reactions to heat; use of heat in the alleviation of pain; how to apply hot water bottles, electric pads, chemical pads, and paraffin bath; use hot soak, compresses, infra-red lamp, and shortwave diathermy.
Buy from NF.

Therapeutic uses of heat and cold. Part 1: Administering hot applications (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
39 fr., b&w, 35 mm. (Nursing series)
Order no. OE 408–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

Therapeutic uses of heat and cold. Part 2: Administering cold applications (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
22 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 409.
Supplemented by filmstrip of same title.
With instructor's manual.
Summary: Body responses to cold; therapeutic uses of cold; how to administer contrast baths and ice bags; apply ice packs as anesthesia; and use refrigerating blankets and cold chamber.
Buy from NF.

Therapeutic uses of heat and cold. Part 2: Administering cold applications (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
46 fr., b&w, 35 mm. (Nursing series)
Order no. OE 409–fs.
With instructor's manual. Supplements motion picture of same title.
Buy from NF.

There comes a tomorrow (*Motion picture*) U. S. Dept. of Agriculture, 1958.
27 min., sd., color, 16 mm.
Summary: Portrays the effects of a forest fire, caused by the carelessness of a wood-lot owner, upon a whole community. Describes the leadership of a sawmill operator and forest fire wardens in arousing the community to the need for greater support of fire control organization.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Thermometer (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
53 fr., b&w, 35 mm.
Order no. FS 1–51.
Summary: Describes the use, operation, and maintenance of various types of aircraft thermometers.
Borrow from AF. *Buy from* NF.

They major in missiles (*Motion picture*) U. S. Dept. of the Army, 1960.
15 min., sd., color, 16 mm.
Order no. MF 45–8609.
Summary: Describes the cooperative training program of practical work experience with missiles and rockets conducted at White Sands Proving Ground, New Mexico, for qualified engineering students majoring in missile technology at New Mexico State University and Texas Western College.
Borrow from Army. *Cleared for tv.*

They need to know (*Motion picture*) U. S. Social Security Administration, 1954. Made by U. S. Dept. of Agriculture.

14 min., sd., b&w, 16 mm.

Summary: Through a dramatized story, emphasizes the importance to wives and children of knowing of the survivors' insurance benefits available to them, upon the death of the family head, under the 1954 social security law.

Borrow from SSA. *Cleared for tv.*

Things to be remembered (*Motion picture*) U. S. Dept. of the Air Force, 1961.

22 min., sd., b&w, 16 mm.

Order no. SFP 1060.

Summary: Traces the career of General Nathan Twining, one of America's foremost military figures, showing his rise from a corporal in the Oregon National Guard to Chairman of the Joint Chiefs of Staff. Portrays his invaluable contributions to his country during World War II and concludes with ceremonies for General Twining's retirement from active military life.

Borrow from AF. *Cleared for tv.*

The third challenge: unconventional warfare (*Motion picture*) U. S. Dept. of Defense, 1963.

15 min., sd., color, 16 mm.

Order no. AFIF 123

Summary: Describes techniques used by the Communists through subversion, insurrection, and other methods of weakening established governments; and discusses the counterinsurgency capabilities of the United States.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

32nd Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1954.

18 min., sd., b&w, 16 mm.

Order no. MF 130–7930.

Summary: Traces the history of the U. S. Army's 32d Infantry Division through the Civil War, Spanish-American War, Mexican Border campaign, World War I and World War II. Highlights its action at Buna, Saidor, Anitape, Leyte, Luzon, and in the occupation in Japan.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

36th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

21 min., sd., b&w, 16 mm.

Order no. MF 130–7931.

Summary: Historical record of the 36th Infantry Division during World Wars I and II, particularly its part in the battles at Salerno, San Pietro, Cassino, Anzio, and in Germany.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

This is aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1947.

29 min., sd., b&w, 16 mm.

Order no. 224.

Revision of 1938 film issued under title: Aluminum: Mine to metal.

Summary: Shows many phases of aluminum, including its abundance, mining operations, processing of bauxite to obtain metallic aluminum, molding, casting, alloying, rolling, annealing, testing of fabricated parts, and manufacturing aluminum articles.

Borrow from BM.

This is Ecuador (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

18 min., sd., b&w, 16 mm.

Summary: Shows the geographic regions, natural resources, industries, cities, educational and religious institutions, and hemispheric importance of Ecuador.

Buy from NF.

This is France (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

27 min., sd., b&w, 16 mm.

Order no. AFIF 82.

Summary: Reviews briefly French history, ethnology, government, politics, industry, agriculture, social customs, and religious beliefs.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

This is Headquarters Command, USAF (*Motion picture*) U. S. Dept. of the Air Force, 1962.

12 min., sd., color, 16 mm.

Order no. FR 225

Summary: Portrays the mission of Headquarters Command, host and housekeeper for the U. S. Air Force in Washington, D. C. Pictures some of the command's various responsibilities at Bolling AFB, where it operates the 1020th Special Activities Wing, the U. S. Air Force Band, and the 1100th Support Wing. Other scenes cover Andrews AFB, also under Headquarters Command, which houses the Air Force Systems Command, operates the 1001st Air Base Wing, and furnishes Air Force troops for service ceremonies in Washington.

Borrow from AF. *Cleared for tv.*

This is Lakehurst (*Motion picture*) U. S. Dept. of Defense, 1952.

17 min., sd., b&w, 16 mm.

Order no. RTAF 144.

Summary: Pictorial tour of the U. S. Naval Air Station at Lakehurst, N. J.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

This is magnesium (*Motion picture*) U. S. Bureau of Mines in cooperation with Dow Chemical Co., 1952.

13 min., sd., b&w, 16 mm.

Order no. 243.

Revision of 1944 film released under title: Magnesium, metal from the sea.

Summary: Shows steps in the production of magnesium, uses of magnesium in industry, and the development of new magnesium alloys.

Borrow from BM. *Cleared for tv.*

This is the code: Absence offenses (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

10 min., sd., b&w, 16 mm.

Order no. MN 7855–a.

Summary: Discusses articles of the Uniform code of military justice of the U. S. Armed Forces that are concerned with various forms of unauthorized absence.

Borrow from Navy. *Buy from* NF.

This is the code: Conduct before the enemy (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

11 min., sd., b&w, 16 mm.

Order no. MN 7855–c.

Summary: Discusses articles of the Uniform code of military justice that are concerned with conduct before the enemy, treatment of prisoners, conduct as a prisoner, proper handling of captured or abandoned property, spies, etc.

Borrow from Navy. *Buy from* NF.

This is the code: Crimes against persons and property (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

18 min., sd., b&w, 16 mm.

Order no. MN 7855–d.

Summary: Explains the provisions of the Uniform code of military justice that relate to crimes against the person and against property. Closes with the reminder that wearing the uniform imposes the obligation for a serviceman to uphold his country's honor and reputation as well as his own.

Borrow from Navy. *Buy from* NF.

This is the code: Disrespect, disobedience, and improper performance of duty (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

16 min., sd., b&w, 16 mm.

Order no. MN 7855–b.

Summary: Discusses the provisions of the Uniform code of military justice that are concerned with disrespect, disobedience, and improper performance of duty.

Borrow from Navy. *Buy from* NF.

This is the code: General criminal articles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

8 min., sd., b&w, 16 mm.

Order no. MN 7855–f.

Summary: Discusses general provisions of the Uniform code of military justice, such as conspiracy, accessory after the fact, contempt toward officials, conduct unbecoming an officer and a gentleman, improper hazarding of a vessel, violating local traffic laws, and tampering with the mails. Concludes by summarizing various articles in the code.

Borrow from Navy. *Buy from* NF.

This is the code: Procedural articles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

15 min., sd., b&w, 16 mm.

Order no. MN 7855–e.

Summary: Discusses procedural articles of the Uniform code of military justice, such as those dealing with restraint of persons charged with offenses, unlawful detention, authority of civil authorities, confinement with enemy prisoners, resisting apprehension, breach of arrest, escape, releasing a prisoner without authority, compulsory self-incrimination, right of a commanding officer to punish offenders, types of courts-martial, membership of various courts, perjury, cruel and unusual punishment.

Borrow from Navy. *Buy from* NF.

This is worth working for (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

28 min., sd., b&w, 16 mm.

Summary: Explains the program and services of the Veterans Administration. Produced for the orientation of Veterans Administration employees.

Borrow from VA.

This is your Army (*Motion picture*) U. S. Dept. of the Army, 1954.

79 min., sd., color, 16 mm.

Order no. MF 45–7950.

Summary: Explains the organization and functioning of the U. S. Army including the characteristics of Army life, basis and specialized training given the individual soldier, operations of the various branches, research and development activities, global responsibilities, NATO activities, etc.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

This is your forest (*Motion picture*) U. S. Dept. of Agriculture, 1955.

9 min, sd., color, 16 mm.

Summary: A forest ranger explains national forest activities to two Boy Scouts.

Rent from DA film libraries. *Cleared for tv.*

This is your Navy (*Motion picture*) U. S. Dept. of the Navy, 1951.

12 min., sd., b&w, 16 mm.

Order no. MN 6775–a.

Summary: Portrays the functions and activities of the U. S. Navy.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

This is your valley (*Motion picture*) U. S. Army Engineers, 1956.

17 min., sd., color, 16 mm.

Summary: A pictorial report, illustrated by animation, showing how a typical river valley is developed. The Ohio River Basin is used as an example of how industry and the people benefit from the control works built for safe navigation and flood control.

Borrow from Eng. *Cleared for tv.*

This land is mine (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

Summary: Discusses the land reforms which have been made in Japan since the end of World War II, particularly the decrease in farm tenancy. Prepared for use in occupied areas, particularly in Japan.

Buy from NF.

Thomas Jefferson, the farmer (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

63 fr., b&w, 35 mm.

Order no. 653.

With lecture notes.

Summary: Explains how Jefferson promoted agriculture in the Nation's economy; shows his search for improved methods, labor-saving implements and machines, better crops and livestock; and explains his views on agricultural education, experimentation, and cooperative action.

Buy from PhotoLab.

Thor: The IRBM (*Motion picture*) U. S. Dept. of the Air Force, 1959.

26 min., sd., color, 16 mm.

Order no. SFP 639.

Summary: Depicts the development of the Thor missile; shows how the military, industry, and science worked together to produce it; and explains its role in the IRBM defense concept.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Thoracic surgery series
see
Decortication in the treatment of tuberculous pleuritis
Foreign bodies in the pericardium and heart
Hemothorax with a consideration for specific remedial breathing exercises
Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis

Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1951.

23 min., sd., color, 16 mm. (Thoracic surgery series)

Order no. PMF 5208.

Summary: Demonstrates thoracoplasty in the first and second stage in the treatment of pulmonary tuberculosis. For medical personnel.

Borrow from Army.

The threat of the cattle fever tick (*Motion picture*) U. S. Dept. of Agriculture, 1954.

15 min., sd., color, 16 mm.

Summary: Presents the danger of the cattle fever tick to American cattle, a brief history of the 30-year campaign waged to eradicate tick fever in cattle in the South, and the significance of precautions taken to see that the tick does not gain another foothold in the U. S.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Three cities (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

11 min., sd., b&w, 16 mm.

Summary: How workers in three American cities, solved wartime living problems in 1944.

Buy from NF.

Three guys called Mac (*Motion picture*) U. S. Marine Corps, 1958.

26 min., sd., b&w, 16 mm.

Order no. MH 8663.

Summary: Depicts the activities of three Marines in the operating forces of the Marine Corps—one on sea duty as a member of a ship's detachment, the second in a reconnaissance outfit, the third attached to a Marine jet fighter squadron as a plane captain. Shows how all three are thrown together in an amphibious operation—thus portraying in action the land-sea-air team of the nation's force-in-readiness.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Three-phase motor. Part 1: Preparing to rewind (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 4)

Order no. OE 395.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to interpret and record nameplate data of a three-phase motor: identify the line and finish leads; remove coils and determine coil span; use a coil winding machine; and end-tape machine wound coils.

Buy from NF.

Three-phase motor. Part 1: Preparing to rewind (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

35 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 4)

Order no. OE 395–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Three-phase motor. Part 2: Rewinding (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 5)

Order no. OE 396.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to insert mush coils and separators or "willies"; fold, trim, and wedge slot insulation around windings; insert phase insulation; and make a delta connection.

Buy from NF.

Three-phase motor. Part 2: Rewinding (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

31 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 5)

Order no. OE 396–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Three-quarter anterior crown (*Motion picture*) U. S. Dept. of the Army, 1960.

38 min., sd., color, 16 mm.

Order no. PMF 5329.

Summary: Demonstrates the clinical technique for preparing and fitting a three-quarter anterior crown on a maxillary anterior tooth. Salient teaching points cover preliminary steps; preparation of tooth; securing accurate wax pattern; proper withdrawal of pattern; examination of pattern for good detail and density; casting and finishing procedure of final form at the laboratory; final fitting of casting on the tooth. Also describes the substitute material and equipment that can be used in the casting procedure.

Borrow from Army.

The three squares (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Canners Association, 1956.

13 min., sd., color, 16 mm.

Summary: Explains the importance of food preservation, the history of canning, and the values of canned foods.

Rent from DA film libraries. *Cleared for tv.*

Three-wire service entrance (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

24 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 5))

Order no. OE 374.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount and connect an outdoor meter connection box; mount and connect a service control box; ground a three-wire service entrance installation; and install concentric service entrance cable.

Buy from NF.

Three-wire service entrance (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

50 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 5))

Order no. OE 374–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Thrufeed grinding a straight pin, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

29 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 1)

Order no. OE 85.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Principle of centerless grinding; basic elements of the centerless grinding machine; how to set up the machine and true the grinding and regulating wheels.

Buy from NF.

Thrufeed grinding a straight pin, part 1 (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

41 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 1)

Order no. OE 85–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Thrufeed grinding a straight pin, part 2 (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 2)

Order no. OE 86.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to balance the grinding wheel; position the work for grinding; adjust the work guides; take a trial grind; eliminate taper in the grinding wheel; use a crown cam to dress the grinding wheel; and check the workpieces.

Buy from NF.

Thrufeed grinding a straight pin, part 2 (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

43 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 2)

Order no. OE 86–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Thunder from the skies (*Motion picture*) U. S. Dept. of the Air Force, 1950.

14 min., sd., b&w, 16 mm.

Order no. SFP 264.

Summary: How the U. S. Air Force provides close air support for ground forces in Korea. Includes combat scenes.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The thunderbirds
see
Supersonic thunderbirds

Thunderbolt geometry (*Motion picture*) U. S. Dept. of the Air Force, 1957.

16 min., sd., b&w, 16 mm.

Order no. SFP 423.

Summary: Presents behind-the-scenes preparations for a USAF rocketry meet at Vincent AFB, Arizona, the arrival of participants from all parts of the world, and actual gunnery runs.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Tibial nerve anastomosis in the lower calf (*Motion picture*) U. S. Dept. of the Army, 1949.

8 min., sd., color, 16 mm.

Order no. PMF 5117.

Summary: Shows tibial nerve damage caused by a missile traversing the midcalf region, leaving the plantar muscle paralyzed and the sole of the foot anesthetic. Demonstrates the technique of surgical repair, precautions taken, and physiotherapy. For medical personnel.

Borrow from Army.

Ticks and tick-borne diseases (*Motion picture*) U. S. Public Health Service, 1960.

19 min., sd., color, 16 mm.

Order no. M 346.

Summary: Discusses ticks and their importance in transmitting diseases, the biology of ticks, and how to control them.

Borrow from PHS. *Buy from* NF.

Tides and currents (*Motion picture*) U. S. Coast and Geodetic Survey, 1955.

18 min., sd., color, 16 mm.

Summary: Defines tides and tidal cycles; explains the astronomical and geographical causes of tides and tidal currents; and describes the work of the U. S. Coast and Geodetic Survey in measuring the rise and fall and the flood and ebb of tides as a basis for mathematical prediction tables necessary to navigation and commerce.

Borrow from CGS.

El tifo (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Spanish version of Kill the louse.

Summary: Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.

Buy from NF. *Cleared for tv.*

La tifoidea (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Spanish version of The typhoid carrier.

Summary: Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.

Buy from NF. *Cleared for tv.*

Timber and totem poles (*Motion picture*) U. S. Dept. of Agriculture, 1949.

11 min., sd., color, 16 mm.

Summary: Shows the timber resources of the Tongass National Forest in southeast Alaska, and explains the meaning of the totem poles of the Indians.

Rent from DA Film Libraries. *Buy from* NF.

Timber growing today (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Southern Educational Film Production Service.

15 min., sd., color, 16 mm.

Summary: Explains that sustained-yield management of forests is economically sound, and shows how woodland owners in the Tennessee Valley are beginning to adopt such practices.

Borrow from TVA. *Buy from* TVA. *Cleared for tv.*

Timber sales and inspection techniques (*Motion picture*) U. S. Army Engineers, 1956.

28 min., sd., color, 16 mm.

Summary: Explains the procedures and techniques used by the U. S. Army Engineer Division, South Atlantic, Corps of Engineers, and its operating districts in the advertising, security, safety, inspection, and sale of timber products from Department of the Army lands.

Borrow from Eng. *Cleared for tv.*

Time (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

10 min., sd., b&w, 16 mm. (Celestial navigation series)

Order no. TF 1-348.

Summary: Explains various time elements in celestial navigation which are used in solving practical exercises.

Buy from NF.

Time (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

57 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83-e.

Summary: Explains the division of the globe into time zones; apparent, sidereal, and mean time; use of the chronometer; and three means of computation of time and its reckoning.

Borrow from Navy. *Buy from* NF.

Time out: Occupational therapy in tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1949.

26 min., sd., b&w, 16 mm.

Order no. PMF 5116-a.

Summary: Shows the role of hospital personnel in the physical, mental, and social rehabilitation of patients with tuberculosis.

Borrow from Army.

Time pieces (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

36 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136-f, formerly SG 3883-f.

Summary: Shows how to use the chronometer in navigation; explains its delicacy; and shows how to wind this instrument.

Buy from NF.

Time to go (*Motion picture*) U. S. Dept. of the Army, 1955.

28 min., sd., b&w, 16 mm.

Order no. MF 20-8322.

Summary: Discusses the Selective Service System, its purpose, operation, and effect upon the young men of the United States. Opening sequences present Major General Lewis B. Hershey, director, Selective Service, who defines the need and purpose for Selective Service and introduces the subject matter covered in the film.

Borrow from Army. *Buy from* NF.

Tinning and solder wiping (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

26 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 4)

Order no. OE 343.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to clean copper tubing for tinning; apply flux to copper; tin copper tubing by hand and by dipping; and how copper reacts to heat when being dipped and solder wiped.

Buy from NF.

Tinning and solder wiping (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

50 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 4)

Order no. OE 343-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Tinplate (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1949.

27 min., sd., color, 16 mm.

Order no. 231.

Summary: Contrasts old and new methods of making tinplate; then shows the conversion of iron ore, coke, scrap, and limestone into molten metal, bars of steel, and coils of thin sheet steel. Describes the coating of sheet steel with tinplates by the ho-dip and electrolytic methods.

Borrow from BM. *Cleared for tv.*

Titan in concrete (*Motion picture*) U. S. Army Engineers, 1955.

20 min., sd., color, 16 mm.

Summary: Shows construction of the John H. Kerr Dam and Reservoir on the Roanoke River 12 miles southwest of South Hill, Va., and explains the benefits of the Roanoke River Basin plan to industry and agriculture.

Borrow from Eng. *Cleared for tv.*

To a foreign land (*Motion picture*) U. S. Dept. of the Air Force, 1960.

20 min., sd., b&w, 16 mm.
Order no. SFP 699.
Summary: Outlines preparations necessary for the orderly, efficient, and economical movement of military and civilian personnel scheduled for overseas assignment. Depicts, through experiences of an Air Force family destined to go overseas, how to take care of details connected with shipment of household goods, medical checkups, passports, forms, etc.
Borrow from AF. *Buy from* NF.

To be held in honor (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Universal Productions. Released for public educational use through U. S. Office of Education, 1951.

21 min., sd., b&w, 16 mm. (For which we stand series)
Order no. MN 5321–c.
Summary: An appeal to service men's sense of moral values and the desirability of their practicing sexual self control.

Borrow from Navy. *Buy from* NF.

To hear again (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

37 min., sd., b&w, 16 mm.
Order no. PMF 5052.
Summary: Explains and shows examples of the U. S. Army's aural rehabilitation program—testing, treatment, and social rehabilitation; and use of hearing aids and lip reading; and stories of several patients. Primarily for patient orientation.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

To live in darkness (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

13 min., sd., b&w, 16 mm.
Order no. 1921–f.
Summary: Dramatized incidents showing how three plant workers lost their sight through carelessness.

Borrow from Navy. *Buy from* NF.

To provide for the common defense (*Motion picture*) U. S. Dept. of the Army, 1954.

17 min., sd., color, 16 mm.
Order no. FG 61–26.
Summary: Explains the history, organization, traditions, and customs of the U. S. Army.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

To speak with friends (*Motion picture*) U. S. Office of Education, 1960. Made by the National Educational Television and Radio Center.

29 min., sd., b&w, 16 mm.
Summary: Illustrates instructional practices in elementary and secondary schools using language laboratories, television, motion pictures, recordings, slides, and other special audio-visual facilities to help students in understanding and speaking foreign languages.
Buy from NF. *Cleared for tv.*

Today the research, tomorrow the weapon system (*Motion picture*) U. S. Dept. of the Air Force, 1962.

23 min., sd., color, 16 mm.
Order no. SFP 1103
Summary: Explains the mission of the Armed Services Technical Information Agency (ASTIA), a technical library which fills the information needs of defense contractors and military research and development activities. Shows that ASTIA is a focal point for a constant influx of technical reports and abstracts which it compiles and disseminates to personnel engaged in developing aerospace weapon systems.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Today's chicks (*Motion picture*) U. S. Dept. of Agriculture, 1950.

19 min., sd., color, 16 mm.
Summary: Explains the national poultry improvement program to improve breeding qualities and reduce losses from pullorum disease in poultry flocks. Shows basic operations of program including the selection of breeders, methods of testing for pullorum, sanitation in the hatchery and field, and the production of pedigreed breeding stock.
Rent from DA film libraries. *Cleared for tv.*

Toe drain application to levee construction (*Motion picture*) U. S. Army Engineers, 1951.

15 min., sd., color, 16 mm.
Summary: Deals with the problem of under-seepage in the construction of a levee; illustrates the cause and effect of levee seepage; and shows how underground toe-drains are installed.
Borrow from Eng. *Cleared for tv.*

Tom Schuler, cobbler statesman (*Motion picture*) U. S. Information Agency, 1953. Made by Sketchbook Film Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

29 min., sd., color, 16 mm.
Summary: An animated film showing the rivalries that existed among the early American colonies, and how those differences were ultimately resolved by federation under the Constitution providing for a balance of power among the three branches of government. The story is built around the experiences of a fictional immigrant shoemaker of the period who finds himself honored for his part in ratifying the Constitution. Prepared for overseas use.

Buy from NF.

Tomorrow we fly (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm.
Order no. MN 1254.
Summary: Follows a pre-flight student through his training course and the materials for a dive bomber through the assembly plant. Plane and student meet when both are ready to fly.

Borrow from Navy. *Buy from* NF.

Tomorrow's Air Force through today's education (*Motion picture*) U. S. Dept. of the Air Force, 1961.

24 min., sd., color, 16 mm.
Order no. SFP 1046
Summary: Points out the growing need for officers with knowledge in science, engineering, management, meteorology, physics, and other important fields. The increasing demand for greater education is illustrated in scenes of missile and space programs whose complexities must be managed by personnel with technical skill and scientific knowledge. Asserts that the need for Air Force officers with higher education will become greater than ever as time goes on.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Tongass timberland (*Motion picture*) U. S. Dept. of Agriculture, 1948.

18 min., sd., color, 16 mm.
Summary: Shows the timber resources and scenic beauties of the Tongass National Forest in southeast Alaska.

Rent from DA Film Libraries. *Buy from* NF.

Tooling up for the job (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

23 double fr., color, 35 mm.
Order no. C–41.
Summary: Discusses the needs and interests of young people in four age groups and suggests program tools for use in an extension program.
Buy from PhotoLab.

Tools and procedures series
see Accessory assembly series. Tools and procedures

The tools of language
see Practical English usage I, lecture 1: The tools of language

Topical fluorides: Multiple chair procedure (*Motion picture*) U. S. Public Health Service, 1951. Made by U. S. Dept. of Agriculture.

13 min., sd., color, 16 mm.

Summary: Demonstrates how a dental hygienist by working with groups of four patients can utilize the time required for sodium fluoride to dry on patients' teeth. Prepared for use in training personnel for community fluoride programs.

Borrow from PHS. *Buy from* NF.

Topical fluorides: Technic of application (*Motion picture*) U. S. Public Health Service, 1949.

10 min., sd., color, 16 mm.

Summary: Shows the technique of applying a 2 percent solution of sodium fluoride to the teeth of children at ages 3, 7, 10, and 13 in order to obtain a 40 percent reduction in tooth decay.

Borrow from PHS. *Buy from* NF.

Topographic mapping by photogrammetric methods (*Motion picture*) U. S. Geological Survey, 1957.

90 min., sd., color, 16 mm.

Summary: Portrays technical procedures employed by the Topographic Division of the U. S. Geological Survey in making standard topographic quadrangles, featuring the use of the multiplex method of mapping. Technical presentation for engineering students and other scientific personnel.

Borrow from GS.

Topographic symbols (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

18 min., sd., b&w, 16 mm. (Basic map reading series, no. 1)

Order no. TF 5–1788.

Revision of 1945 film released under title Conventional signs (order no. TF 21–2071)

Summary: Shows how to identify natural and man-made ground features by representative topographic symbols for woods, railroads, highways, fences, water, buildings, etc. Explains the meaning of the different colors used for features on maps.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Topside painting: Application (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

10 min., sd., color, 16 mm.

Order no. MN 6788–b.

Summary: Demonstrates preparation of the surface to be painted; methods of mixing paint; and proper techniques of applying paint.

Borrow from Navy. *Buy from* NF.

Topside painting: Preparation (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

14 min., sd., color, 16 mm.

Order no. MN 6788–a.

Summary: Explains the importance of paint; the causes of paint failures; the use of roughing tools for removal of old paint and scale, and of finishing tools for the final cleaning of steel; and the components, mixing, and application of metal conditioner.

Borrow from Navy. *Buy from* NF.

Topsoil (*Motion picture*) U. S. Dept. of Agriculture, 1948.

11 min., sd., b&w, 16 mm. (School film series, no. 1)

With teacher's guide.

Summary: Explains the dependence of rural and urban people upon soil; shows the characteristics and importance of topsoil; the centuries required to make topsoil and the minutes during which it can be destroyed; and the need for soil conservation.

Rent from DA Film Libraries. *Buy from* NF.

Torch welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

17 min., sd., b&w, 16 mm. (How to weld aluminum series)

Order no. 220.

Summary: Shows how to make a good torch weld; examples of torch welding aluminum forgings; castings, and aluminum sheet and plate; and close-up of actual welding operations.

Borrow from BM. *Cleared for tv.*

Tornado (*Motion picture*) U. S. Weather Bureau, 1956. Made by the Calvin Co.

14 min., sd., b&w, 16 mm.

Made possible as a public service by United Gas Corp. and Texas Eastern Transmission Corp.

Summary: Shows a typical midwestern town in the path of a destructive tornado, scenes of a tornado in action, and means of protective preparation. Explains weather conditions which may generate a tornado, Weather Bureau activity in charting these conditions and issuing alerts and warnings, and the work of local trained observers in reporting information.

Borrow from WB. *Buy from* NF. *Cleared for tv.*

Torneado de una pieza en el mandril (*Motion picture*) U. S. Office of Education [1959?]

20 min., sd., b&w., 16 mm.

Order no. OE 61–Sp.

Spanish version of the 1943 motion picture entitled Turning work held on a mandrel.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Describes the mandrel and its uses. Shows how to fit the mandrel into the workpiece; how to cut a bevel, using the compound rest; how to calculate speed and feed; and how to set the controls.

Buy from NF.

Torneado de una pieza fija en un sostén (*Motion picture*) U. S. Office of Education [1959?]

21 min., sd., b&w, 16 mm.

Order no. OE 58–Sp.

Spanish version of the 1944 motion picture entitled Turning work held on a fixture.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Shows how to mount an irregularly shaped casting which cannot be held in a chuck, how to mount and center the fixture on a lathe, how to select and mount the tools, and turn, face, bore, counterbore, and ream the surfaces of a valve bonnet.

Buy from NF.

Torneo de uma peça fixa num suporte (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)

Order no. OE 58–Port.

Portuguese version of Turning work held on a fixture.

Buy from NF.

Torneo de uma peça no mandril (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)

Order no. OE 61–Port.

Portuguese version of Turning work held on a mandrel.

Buy from NF.

Torneo de una pieza en el mandril (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)

Order no. OE 61–Sp.

Spanish version of Turning work held on a mandrel.

Buy from NF.

Torneo de una pieza fija en un sostén (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)

Order no. OE 58–Sp.

Spanish version of Turning work held on a fixture.

Buy from NF.

El torno (*Motion picture*) U. S. Office of Education ₍1959?₎

15 min., sd., b&w, 16 mm.

Order no. OE 68–Sp.

Spanish version of the 1945 motion picture entitled The lathe.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Describes the functions, characteristics, and basic operations of the engine lathe.

Buy from NF.

Torque converter, principles of operation (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Order no. TF 9–1427.

Summary: Explains the principles and operation of a torque converter and demonstrates its dual function as clutch and transmission.

Borrow from Army. *Buy from* NF.

Total body measurement of natural and acquired radioactivity in man (*Motion picture*) U. S. Dept. of the Army. 1961.

11 min., sd., color, 16 mm.

Order no. PMF 5336.

Summary: Depicts the new methods and facilities devised at Walter Reed Army Medical Center to study the effects of the nuclear program on man. Describes the features, functioning, and use of the "human counter," "iron room," and "medical fluoroscopy stand" to measure type and degree of radioactivity in man.

Borrow from Army. *Buy from* NF.

Total colectomy (*Motion picture*) U. S. Veterans Administration, 1957.

27 min., sd., color, 16 mm.

Summary: Shows the isolation of the distal ileum and the performance of an anal ileostomy, and the excision of the two proximal stomata and the re-establishment of ileal continuity by anastomosis as an optional procedure if warranted by nutritional state and sphincter control.

Borrow from VA.

Total excision of scalp for turban tumor (*Motion picture*) U. S. Veterans Administration, 1961.

11 min., sd., color, 16 mm.

Summary: Presents the case history of a patient with extensive turban tumor; shows removal, skin graft, and post-operative course.

Borrow from VA.

Total rehabilitation of a bilateral high upper extremity amputee (*Motion picture*) U. S. Veterans Administration, 1959.

30 min., sd., color, 16 mm.

Summary: Shows how a bilateral double high-arm amputee can be restored to functional capacity.

Borrow from VA.

Tournage d'un cylindre entre les pointes (*Motion picture*) U. S. Office of Education, 1951.

17 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 1)

Order no. OE 313–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Turning a cylinder between centers.

Buy from NF.

Tournage d'une bride sur plateau (*Motion picture*) U. S. Office of Education, 1951.

16 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 5)

Order no. OE 317–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Face turning a collar.

Buy from NF.

Tournage en mandrin (*Motion picture*) U. S. Office of Education, 1951.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 4)

Order no. OE 316–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Turning work in a chuck.

Buy from NF.

Tournage sur plateau (*Motion picture*) U. S. Office of Education, 1951.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 3)

Order no. OE 315–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Turning work on a face plate.

Buy from NF.

Toward a free world (*Motion picture*) U. S. Dept. of the Air Force, 1962.

30 min., sd., color, 16 mm.

Order no. SFP 1112

Summary: Depicts vast educational facilities of the U. S. Air Force and its role in the training of allied students under the MAP program. Covers instruction at air bases across the country in tactical flying, gunnery, and air-ground operations. Shows classes in session at the Air University and emphasizes the importance of harmony between Americans and foreign students.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Towards a uniform plumbing code (*Motion picture*) U. S. Housing and Home Finance Agency, 1948. Made by U. S. Dept. of Agriculture.

27 min., sd., b&w, 16 mm.

Summary: A pictorial record of tests conducted by the National Bureau of Standards to determine answers to three controversial problems in plumbing, namely: self-siphonage of fixture traps, stack venting, and wet venting.

Buy from NF.

Tower of learning (*Motion picture*) U. S. Information Agency, 1962. Made by Herbert Kerkow, inc. Released for educational use in the United States through U. S. Office of Education, 1963.

19 min., sd., color, 16 mm

Summary: Shows how various national groups in Pittsburgh worked together to create the 18 nationality rooms in the University of Pittsburgh's Tower of learning. Explains that the Tower reflects the cultures of the 18 nationalities and also serves as a symbol of the university's broad program of international, cultural, and educational exchange. Includes views of each room.

Buy from NF.

Towers above the sand (*Motion picture*) U. S. Army Engineers, 1954.

14 min., sd., color, 16 mm.

Summary: Explains the potential productivity of the Southwest, and the long range planning and construction program of the Corps of Engineers for the present and future progress of this region.

Borrow from Eng. *Cleared for tv.*

Towing a disabled plane (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

3 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)

Order no. MG 5380–e.

Summary: Shows how a U. S. Coast Guard ocean station vessel tows a disabled plane on the surface of the sea.

Buy from NF. *Cleared for tv.*

Towing lights (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

7 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-e.
Summary: Gives light specifications for tows; and shows lights for submerged tows, vessels in tow, barges, canal boats, scows, and dump scows in New York harbor.

Borrow from Navy. *Buy from* NF.

Towing, mooring, handling airplanes (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

81 fr., b&w, 35 mm.
Order no. FS 1-215.
Summary: Shows the proper methods of towing, mooring, jacking, and hoisting various types of airplanes.
Borrow from AF.

The town (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

13 min., sd., b&w, 16 mm.
Summary: Shows life in an American town, Madison, Ind., and explains the democratic characteristics of the social and civic life of the people.

Buy from NF.

A town in old Mexico (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., color, 16 mm.
Summary: A tourist view of the villages of Puebla, Orizaba, and Fortín de las Floras in Mexico.

Buy from NF.

Town meeting of the world (*Motion picture*) U. S. Dept. of the Army, 1952. Made by March of Time. Released for public educational use through U. S. Office of Education, 1952.

30 min., sd., b&w, 16 mm.
Summary: Defines the General Assembly of the United Nations as a "town meeting of the world," and explains its functions, organization, and operations. Produced for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Toxigenicity test of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1962.

20 min., sd., color, 16 mm.
Order no. M-569
Revised version of the 1950 motion pictures entitled The in-vitro test for virulence of *C. diphtheriae* and Tests for virulence of *C. diphtheriae* in animals.
Summary: Demonstrates the testing of isolated pure cultures for the detection of *C. diphtheriae* toxin, using both the animal and in-vitro methods.

Borrow from PHS. *Buy from* NF.

Trabajo de taller mecánico. Usos del torno de precisión
see
Elaboración de una pieza en el plato
Perforación micrométrica
Torneo de una pieza en el mandril
Torneo de una pieza fija en un sostén
El uso del soporte fijo

Trabalho de oficina mecânica. Usos do tôrno de precisão
see
Elaboração de uma peça no prato ou bucha
O emprêgo do suporte fixo
Perfuração micrométrica
Torneo de uma peça fixa num suporte
Torneo de uma peça no mandril

Traceback (*Motion picture*) U. S. Dept. of Agriculture, 1960.

13 min., sd., color, 16 mm.
Summary: Outlines the basic steps involved in the use of a uniform back-tagging system as a means of identifying and tracing to the herds of origin, brucellosis-infected cattle detected through blood testing on the way to or at slaughter. Shows advantages of the system to beef producers, including possible use of tracing procedures to detect and eliminate other livestock diseases.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Tracks (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

7 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 5)
Order no. TF 5-1830.
Summary: Shows the methods, procedures, and tools used to check and adjust the tracks of the D-7 tractor.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Traction with classical forceps emphasizing axis-traction principle .(*Motion picture*) U. S. Dept. of the Army, 1963.

25 min., sd., color, 16 mm. (Forceps deliveries, no. 3)
Order no. PMF 5359
Summary: A clinical demonstration of the application of traction in forceps delivery, including both the manual and instrumental methods of accomplishing axis-traction. Places particular focus on the proper application of both classical and special types of forceps used in the instrumental method.

Borrow from Army. *Buy from* NF.

Tractor, caterpillar D-8: Before operation services (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.
Order no. TF 5-2356.
Summary: Describes the following checks: fuel supply in main tank; auxiliary gas level; oil levels in starting and diesel engines; level of coolant in radiator; tracks; range of gauge while engine is operating at one-half and full throttle; possibilities of leaks; cracked, loose, or missing parts; action of operating controls; sound of engine; and power control unit.
Borrow from Army.

Tractor, caterpillar D-8: Starting and stopping (*Motion picture*) U. S. Dept. of the Army, 1957.

3 min., sd., b&w, 16 mm.
Order no. TF 5-2357.
Summary: Demonstrates the starting and stopping of the caterpillar D-8 tractor, giving particular attention to the proper sequence of operation and the location of all component parts. Explains the procedures for starting the starting engine; starting the diesel engine; stopping the starting engine; and stopping the diesel engine.
Borrow from Army.

Tractor sled operations (Icecap II) (*Motion picture*) U. S. Dept. of the Army, 1954.

10 min., sd., color, 16 mm.
Order no. MF 55-8243.
Summary: A record of a special expedition, called the "poleax" party, of the U. S. Army Transportation Corps in the summer of 1953 to test various tractor and sled operations on the Greenland icecap.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Trade training in the Navy (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., color, 16 mm.
Order no. MN 6674.
Summary: Explains the possibilities of learning various trades in the Navy, centering mostly upon aviation and electronics. Intended for recruiting.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Tradeways to peace (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1960. Made by Movietone News.
28 min., sd., color or b&w, 16 mm.
Summary: Describes United States participation in international trade fairs and shows scenes of the exhibits at the 1959 fairs in New Delhi, Madras, Poznan, Lima, Tokyo, Moscow, Zagreb, Casablanca, Salonika, and Barcelona.
Borrow from DC-OTF.

Traditions and achievements of the Army (*Motion picture*) U. S. Dept. of the Army, 1957.
26 min., sd., color, 16 mm.
Order no. MF 20-8968.
Summary: Reviews U. S. military history, with special attention to crucial battles and great leaders, and emphasizes the achievements and traditions of the U. S. Army.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The traffic accident spot map (*Motion picture*) U. S. Dept. of the Army, 1956.
4 min., sd., b&w, 16 mm.
Order no. TF 19-2271.
Summary: Explains that upon receipt of the accident report, the desk sergeant plots the accident on a traffic accident spot map. Describes the use and preparation of the map, symbols used for plotting information, the required scale of the map, and features of a suitable legend.
Borrow from Army.

Traffic court, U. S. A. (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
7 min., sd., color, 16 mm.
Summary: Stresses the importance of traffic courts in dealing with the public, and explains the characteristics of good court administration and procedures.
Borrow from PCTS. *Cleared for tr.*

Traffic patrols and escorts (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
Order no. TF 19-1579.
Summary: Shows military police on traffic patrol and escort duty, techniques for area and organizational traffic control, safe guidance on convoys through controlled areas by advance escort, leap-frog, and truck methods.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Traffic police (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
6 min., sd., color, 16 mm.
Summary: Explains that effective traffic law enforcement depends upon trained personnel, and describes the various specializations required of police officers.
Borrow from PCTS. *Cleared for tv.*

Trafficability (*Motion picture*) U. S. Army Engineers, 1959.
20 min., sd., color, 16 mm.
Summary: Describes the procedures used in the trafficability studies made by the U. S. Army Engineer Waterways Experiment Station and the results of the studies. Shows typical scenes of tests in many parts of the world to determine the mobility of military vehicles on fine-grained soil, sand, and snow.
Borrow from Eng. *Cleared for tr.*

Trailer 201 (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.
40 min., sd., b&w, 16 mm.
Summary: Covers a trip from New York to Chicago on a large trailer truck, shows the work of the drivers, and explains the importance of such trucks in American transportation. Prepared for overseas use.
Buy from NF.

Trained and ready (*Motion picture*) U. S. Dept. of the Air Force, 1957.
13 min., sd., b&w, 16 mm.
Order no. SFP 457.
Summary: Shows the preparation for and completion of "Operation 16 Tons," the delivery of a million pounds of loran equipment to the Caribbean area by Air Force reservists.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Training aids (*Motion picture*) U. S. Dept. of the Army, 1956.
23 min., sd., b&w, 16 mm. (Military instruction series, no. 3)
Order no. TF 21-2305.
Summary: Describes the types, characteristics, and uses of simple and complex training aids, including chalkboards, filmstrips, slides, transparencies, working models, and motion pictures.
Borrow from Army. *Buy from* NF.

Training aids: Classroom utilization (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.
15 min., sd., b&w, 16 mm.
Order no. MN 6753-b.
Summary: How a good Navy instructor conducts a classroom lesson with the use of training aids.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Training aids: Selection and planning (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., b&w, 16 mm.
Order no. MN 6753-a.
Summary: How a Navy instructor selects and plans the use of training aids; fits motion pictures, still pictures, charts, models, and mock-ups into his lesson plan; and checks classroom, equipment, and aids prior to use.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Training aids: Slides, large drawings, and transparencies (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., color, 16 mm.
Order no. MN 6753-c.
Summary: Urges instructors to make their own 3¼ x 4" lantern slides, large drawings, and transparencies for use with the overhead projector. Explains the nature of the equipment and materials which are needed and the opportunities for preparing and using such training aids by naval instructors.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Training in operation plans between the ocean station vessel and a ditching plane (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
16 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG 5380-b.
Summary: Shows the ditching of a plane at sea and coordination of the operation between the plane and a U. S. Coast Guard ocean station vessel.
Borrow from CG. *Cleared for tv.*

Training war dogs: Basic exercises (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

22 min., sd., b&w, 16 mm.

Order no. TF 10–1256.
Summary: Shows how a dog is taught to heel, sit, lie down, come to attention, hurdle a three-and-a-half foot wall, and finally to relax.

——— Another issue. 35 mm.

Borrow from Army. *Buy from* NF.

Transfer molding: Molding a part with inserts (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
10 min., sd., b&w, 16 mm. (Plastics series, no. 5)
Order no. OE 470.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How transfer molding differs from compression molding; how to mold a part by the transfer method; and coordinate the steps of the molding cycles.

Buy from NF.

Transfer molding: Molding a part with inserts (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
35 fr., b&w, 35 mm. (Plastics series, no. 5)
Order no. OE 470–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Transfer of a patient at sea (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
5 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG 5380–f.
Summary: Shows the transfer of a patient from a U. S. Coast Guard ocean station vessel to a small boat and thence to a search and rescue plane.

Buy from NF. *Cleared for tv.*

Transfer pipets
see Chemical techniques: Transfer pipets

Transferring bees to movable-frame hives (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
36 fr., b&w, 35 mm.
Order no. 616.
With lecture notes.
Summary: Shows the method of transferring bees from box hives and log "gums" to movable-frame hives.
Buy from PhotoLab.

Transistors: High frequency operation—Amplifiers and oscillators (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8479–e.
Summary: Describes how transistors operate in high frequency amplifiers and in oscillator circuits; shows the influence of transit effects in the base; explains collector capacitance and base resistance on high frequency performance.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transistors: Low frequency amplifiers (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.
15 min., sd., b&w, 16 mm.
Order no. MN 8479–d.
Summary: Shows how transistors are used to amplify low frequencies in common base, common emitter, and common collector circuits. Explains transistor functions for a common base amplifier and a common emitter amplifier, and refined common emitter amplifier circuits.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transistors: Minority carriers (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.
10 min., sd., b&w, 16 mm.
Order no. MN 8479–c.
Summary: Introduces the principle of minority carriers, shows how they produce a small reverse current under normal conditions, and demonstrates the limitations imposed on transistor behavior by minority carriers when the transistor is heated or loaded.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transistors: P-N junction fundamentals (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.
11 min., sd., b&w, 16 mm.
Order no. MN 8479–a.
Summary: Explains the theory and mechanisms of semi-conductor diode and transistor action, and discusses the fundamental principles that apply to all transistors and junction rectifiers.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transistors, part 1: Introduction (*Motion picture*) U. S. Dept. of the Army, 1961.

17 min., sd., b&w, 16 mm.
Order no. TF 11–3046
Summary: Describes the construction, characteristics, operation, and application of transistors.

Borrow from Army.

Transistors: Servicing techniques (*Motion picture*) U. S. Dept. of the Navy, 1960.

17 min., sd., b&w, 16 mm.
Order no. MN 8479–g.
Summary: Discusses common types of transistor failures such as opens, shorts, high leakage current, low gain, and problems in localizing them. Demonstrates, with over-shoulder camera views, the special techniques that must be used with transistorized equipment.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transistors: Switching (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8479–f.
Summary: Shows examples of switching circuits in transistorized computers, explaining briefly the concept of digital computation and how transistors are used, and in more detail how a simple transistor switch works, with special attention to minority carrier storage in the base, showing how delaying effects of this storage are overcome.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transistors: Triode fundamentals (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.
11 min., sd., b&w, 16 mm.
Order no. MN 8479–b.
Summary: Shows that junction transistors, or triodes, consist of three sections with two P–N junctions separating them, and discusses the fundamentals of this arrangement as an amplifying device.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Transit traverse for topographic mapping (*Motion picture*) U. S. Geological Survey, 1951.
25 min., sd., color, 16 mm.
Summary: Shows the organization of a typical mapping field party and the use of the transit and tape in traversing needed for proper horizontal control in topographic mapping.
Borrow from GS.

Transition-flight investigation of a four-engine-transport vertical-take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.
5 min., si., b&w, 16 mm.
Order no. L–283.
Summary: Record of flight tests of a remotely controlled free-flight model in a full-scale wind tunnel to determine the stability and control characteristics of a concept of a four-engine vertically-rising transport. For technical personnel, to be used with NACA Technical note 4131: Transition-flight investigation of a four-engine-transport vertical-take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream.
Borrow from NASA.

Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

12 min., si., b&w, 16 mm.

Summary: Records the results of stability and control tests in a NACA full-scale tunnel of a remotely controlled free-flight model of a concept of a four-engine transport vertical-take-off airplane during the transition from hovering to normal forward flight. The model had four propellers distributed along wing with the thrust axes in the wing-chord plane. The wing could be rotated to 90° incidence so that the propeller thrust axes were vertical for hovering flight. For technical personnel to be used with NACA Technical note 3745: Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers.

Borrow from NASA.

Transition phase; basic training, part 1 (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

41 fr., b&w, 35 mm.

Order no. FS 1–890.

Summary: Describes the correct procedures for cockpit check, taxiing (including control positions during taxiing) take-off, turns after take-off, climbing turns, and leveling off. Explains the purpose and meaning of transition phase.

Borrow from AF.

Transition phase; basic training, part 2 (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

50 fr., b&w, 35 mm.

Order no. FS 1–891.

Summary: Describes procedures for medium turns, gliding turns, landings, coordination exercises, and steep turns.

Borrow from AF.

Transition phase; basic training, part 3 (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

55 fr., b&w, 35 mm.

Order no. FS 1–900.

Summary: Lists the factors influencing airspeed at which stalls occur, and describes procedures to recover from standard stalls, characteristic stalls (power off), rudder-controlled stalls (power on), and normal recovery stalls (with power on and power off)

Borrow from AF.

The transition piece: Square to round layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series: Sheetmetal work)

Order no. MN 2339–d.

Supplementary filmstrip of same title also available.

Summary: Shows layout of the pattern on a single piece of metal after preliminary steps in making a scale drawing and template. Follows fabrication through forming and bending stages and mucking of the groove.

Borrow from Navy. *Buy from* NF.

Transition piece: Square to round layout and fabrication (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

45 fr., b&w, 35 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. SN 2339–p.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Transmissão das doenças (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Saúde para as Américas)

Portuguese version of How disease travels.

Summary: Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

Transmission, drive shaft, and differential (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

14 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 9)

Order no. OE 485.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to check the transmission gear shift mechanism, drive shaft, and differential; and test their running condition.

Buy from NF.

Transmission, drive shaft, and differential (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

33 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 9)

Order no. OE 485–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Transmission of anthrax, animal to man (*Filmstrip*) U. S. Public Health Service, 1954.

70 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. F 140.

Summary: By artist's sketches and clinical photographs shows historical references to anthrax, anthrax spores in imported animal products, the pattern of human anthrax infection, effective control measures, clinical appearance and response to treatment of two cases of human anthrax, appearance of anthrax lesions in 5 additional cases, number and distribution of reported cases of anthrax in the U. S.

Borrow from PHS. *Buy from* NF.

Transmission security (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Radio operator training series)

Order no. MN 2621–d.

Summary: Cautions radio operators against any actions which might reveal a location or aid the enemy in any way. Points out the danger in sneaking out messages, sending unauthorized messages, and cutting in.

Borrow from Navy. *Buy from* NF.

Transperitoneal bilateral lymphadenectomy for testis tumor (*Motion picture*) U. S. Dept. of the Army, 1960.

12 min., sd., color, 16 mm.

Order no. PMF 5332.

Summary: Describes the various surgical techniques used for testis tumor and shows, in detail, the midline transperitoneal approach. Salient teaching points cover the techniques for making the incision and performing the dissection.

Borrow from Army.

Transplantation and anastomosis of radial nerve (*Motion picture*) U. S. Dept. of the Army, 1948.

9 min., sd., color, 16 mm.

Order no. PMF 5081.

Summary: Shows the case of a severed left radial nerve which was sutured, but in which recovery failed to ensue. Gives clinical findings, plus technique used in effecting repair. For medical personnel.

Borrow from Army. *Buy from* NF.

Transplanting hen's ova (*Motion picture*) U. S. Dept. of Agriculture, 1948.

9 min., sd., color, 16 mm.

Summary: Shows the operation of transplanting unfertilized eggs from one hen to another, where the eggs are subsequently fertilized, laid, and hatched in the normal manner.

Rent from DA Film Libraries.

Transportation of casualties (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm.
Order no. TF 8-1705.
Summary: Shows methods used in transporting wounded personnel from the combat area to medical installations for treatment.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Transportation of missiles (*Motion picture*) U. S. Dept. of the Air Force, 1958.
25 min., sd., color, 16 mm.
Order no. SFP 596.
Summary: Emphasizes the importance of speed in transporting missiles and support equipment as a governing factor in military reaction time potential. Presents the magnitude of problems involved, compares United States air transports with Soviet aircraft, and portrays the role of the Military Air Transport Service.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Transthoracic repair of sliding hiatal hernia (*Motion picture*) U. S. Veterans Administration, 1955.
14 min., sl. at sd. speed, color, 16 mm.
Summary: Illustrates the Allison technic for the repair of a sliding hiatal hernia, using the transthoracic and transdiaphragmatic approach. Includes anatomical drawings of the mechanism of the development of a sliding hiatal hernia and the details of repair. Shows preoperative and postoperative roentgenograms of the patient.
Borrow from VA.

Transverse arrest (*Motion picture*) U. S. Dept. of the Army, 1963.
40 min., sd., color, 16 mm. (Forceps deliveries, no. 4)
Order no. PMF 5300
Summary: Defines the problems of transverse arrest; and demonstrates the forceps delivery techniques employed for transverse positions of the occiput and posterior positions of the occiput. Particular focus is placed on the different types of forceps used, and on the digital, manual, and instrumental rotation maneuvers applied in the various transverse and posterior positions.
Borrow from Army. *Buy from* NF.

Trapped (*Motion picture*) U. S. Federal Civil Defense Administration, 1954.
20 min., sd., b&w, 16 mm.
Adaptation of the Swedish film entitled Räddning av instängda under bombade hus.
Summary: Emphasizes the need for trained rescue workers by showing the risks of rescue, special techniques required to rescue trapped casualties, searching in collapsed structures, digging through rubble, tunnelling through shifting masses of debris, and wall-breeching.
Borrow from OCDM. *Buy from* DA. *Cleared for tv.*

Trapping of free radicals at low temperatures (*Motion picture*) U. S. National Bureau of Standards, 1960.
14 min., sd., color, 16 mm.
Summary: Presents a study of one of the most powerful sources of chemical energy—the elusive, highly reactive molecular fragments known as free radicals. Explains that free radicals are present in almost every chemical reaction and are especially important in high-temperature reactions, e. g., rocket flames and stellar atmospheres.
Borrow from NBS. *Buy from* NBS.

Travail à la dégauchisseuse
see Usinage précis du bois. Travail à la dégauchisseuse

Travail à la ponceuse
see Usinage précis du bois. Travail à la ponceuse

Travail à la raboteuse sur une face
see Usinage précis du bois. Travail à la raboteuse sur une face

Travail à la scie à ruban
see Usinage précis du bois. Travail à la scie à ruban

Travail à la scie combinée
see Usinage précis du bois. Travail à la scie combinée

Travail à la toupie
see Usinage précis du bois. Travail à la toupie

Travail de la ferme. Découpage de la viande series
see also

Découpage et désossement d'un quartier arrière de boeuf

Découpage et désossement d'un quartier avant de boeuf

Traveling wave tubes—types, principles of operation, and applications (*Motion picture*) U. S. Dept. of the Army, 1961.
36 min., sd., b&w, 16 mm.
Order no. TF 11-3108
Summary: Discusses the structure, operation, and military applications of three basic traveling wave tubes—forward wave amplifier, backward wave amplifier, and backward wave self-excited oscillator.
Borrow from Army.

Traversing (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
71 fr., b&w, 35 mm. (Surveying series)
Order no. FS 5-77.
Summary: Explains how to run a traverse by interior angles, prolong a straight line, run a traverse by deflection angles, and make graphic adjustments of a traverse.
Borrow from Army. *Buy from* NF.

Treasure trove of jade (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
37 min., sd., color, 16 mm.
Summary: Record of an archeological expedition, sponsored by the National Geographic Society and the Smithsonian Institution, to Vera Cruz, and of its discoveries, including a large number of jade objects.
Buy from NF.

Treatment for paresis of the superior oblique (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., color, 16 mm. (Eye surgery series)
Order no. MN 2477-a.
Summary: Shows the actual operation performed on a patient with general anesthesia; demonstrates how the lid is depressed, the eyeball incised, and how the tendons are tied. For medical personnel.
Borrow from Navy. *Buy from* NF.

Treatment of aneurysms of peripheral arteries (*Motion picture*) U. S. Veterans Administration, 1956.
10 min., sd., color, 16 mm.
Summary: Describes two cases illustrating the treatment of arteriosclerotic and traumatic aneurysms of the femoral and popliteal arteries. In one, a large aneurysm of the common femoral artery is excised and replaced with a homograft. In the other, an arteriovenous aneurysm of the popliteal artery, resulting from a shrapnel wound incurred in World War II, is excised and arterial continuity restored by end-to-end anastomosis.
Borrow from VA.

Treatment of jaw fractures (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

33 min., si., color, 16 mm.
Order no. MN 1053.
Summary: Demonstrates how to apply several kinds of jaw splints including extra-oral fixations with vulcanite attachment. For medical personnel.

Borrow from Navy. *Buy from* NF.

Tree bank (*Motion picture*) U. S. Dept. of Agriculture, 1956.

13 min., sd., color, 16 mm.
Summary: Explains how tree planting fits into the Dept. of Agriculture's soil bank program; illustrates the values of trees in conserving soil and water, providing shelter for wildlife and recreational opportunities for the farm family, and as a source of additional farm income; and shows nursery and tree-planting practices and types of cropland eligible for tree planting under the conservation reserve of the soil bank.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

A tree grows for Christmas (*Motion picture*) U. S. Dept. of Agriculture, 1949.

11 min., sd., color, 16 mm.
Summary: Tells the story of the Christmas tree in history and legend and of the Christmas tree industry today; shows how trees are cut and marketed, and how a tree should be handled in the home.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

A tree grows for Christmas (*Motion picture*) U. S. Dept. of Agriculture, 1953.

7 min., sd., b&w, 16 mm.
Short version of 1949 film with same title.
Summary: Tells the story of the Christmas tree in legend and how the trees are cut and marketed. For television use.
Borrow from DA-MPS. *Cleared for tv.*

A tree is born (*Motion picture*) U. S. Dept. of Agriculture, 1959.

29 min., sd., color, 16 mm.
Summary: Presents the techniques being used by Forest Service researchers in producing hybrid pines through controlled pollination. Shows, through the use of time-lapse photography, a pine cone opening, and tree seeds germinating and growing.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Tree planting and land use (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

54 fr., b&w, 35 mm.
Order no. 620.
With lecture notes.
Summary: Shows how mistakes in land use result in loss of yields and soil; how to restore ruined land with plantings adapted to sites, and how to care for such plantings.
Buy from PhotoLab.

Trees (*Motion picture*) U. S. Dept. of Agriculture, 1958.

10 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 6)
Summary: An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
Rent from DA film libraries. *Cleared for tv.*

Trees take time (*Motion picture*) U. S. Dept. of Agriculture, 1957.

20 sec., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 4)
Summary: An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Trench foot (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., color, 16 mm. (Medicine in action series, no. 6)
Order no. MN 3726–f.
Summary: Shows the clinical condition and treatment of trench foot by the U. S. Army in the Italian theater in 1945. For medical personnel.

Borrow from Navy. *Buy from* NF.

Triangulation for topographic mapping (*Motion picture*) U. S. Geological Survey, 1953.

30 min., sd., color, 16 mm.
Summary: Shows the equipment and techniques used by the U. S. Geological Survey, in terrain of considerable relief, for triangulation to determine positions of third-order accuracy for basic horizontal control. Explains by animation the principles of triangulation, and follows the operations of a field party.
Borrow from GS.

Trichinosis, a disease easily prevented (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

31 fr., b&w, 35 mm.
Order no. 573.
With lecture notes.
Summary: Shows stages in the development of the parasite, trichina; explains the disease, trichinosis—its causes, spread, and prevention.
Buy from PhotoLab.

Trickling filter plants (*Filmstrip*) U. S. Public Health Service, 1950.

94 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Municipal sewage treatment plants, no. 3)
Order no. 5–159.
Made principally from pictures in the slide set released under the title Trickling filter process (order no. 9–033.4)
Summary: Pictures and describes units, structures, and details of equipment used in the operation of trickling filter plants, showing biological aspects of sewage treatment processes.

Borrow from PHS. *Buy from* NF.

Trigger squeeze, M1 rifle (*Motion picture*) U. S. Dept. of the Army, 1955.

5 min., sd., b&w, 16 mm.
Order no. TF 7–2202.
Summary: Explains the correct method of squeezing the trigger of the M1 rifle, including grasp of rifle, position of fingers, breathing, sight alignment, and trigger squeeze. Emphasizes that proper trigger squeeze is necessary for accurate fire.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Trinity River Basin (*Motion picture*) U. S. Army Engineers, 1956.

14 min., sd., color, 16 mm.
Summary: Shows problems encountered along the Trinity River of eastern Texas as the people of the valley plan to work with the Army's Corps of Engineers for a comprehensive development of the basin.
Borrow from Eng. *Cleared for tv.*

The triode: Amplification (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

14 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 3)
Order no. OE 177.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Principles of the diode and triode; electric fields; a triode amplifier circuit; amplification of D. C. voltage changes; alternating voltages; distortion; amplification of audio frequency signals.

Buy from NF.

The triode: Amplification (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

36 fr., b&w, 35 mm. (Engineering series. Electronics, no. 3)
Order no. OE 177–fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

The triple threat of brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1951.

27 min., sd., color, 16 mm.
Summary: Explains the incidence of brucellosis in the U. S. and emphasizes the threat of this disease to cattle, swine, and human beings; shows the nature of brucellosis and its infection of animals and humans; and recommends four methods of control.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Troop information and education in the field (*Motion picture*) U. S. Dept. of the Army, 1953.

17 min., sd., b&w, 16 mm.

Order no. MF 20-7979.

Summary: Explains the activities and services of the U. S. Army Troop Information and Education Division in keeping soldiers in the field informed on current events and assisting them in furthering their education.

Borrow from Army. *Cleared for tv.*

Troop train (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

11 min., sd., b&w, 16 mm.

Summary: Shows the movement across the country in 1943 of the 201st Armored Division.

Buy from NF.

Trouble shooting problems: Fuel induction (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

17 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 276.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to trouble shoot the fuel system for failure to develop full power, for rough running at idling speed, and for overheating.

Buy from NF.

Trouble shooting problems: Fuel induction (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

48 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 276–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Trouble shooting problems: Ignition (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

19 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 275.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to locate trouble within the ignition system when an engine fails to start, when it runs rough, and when it fails to develop full power.

Buy from NF.

Trouble shooting problems: Ignition (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

52 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 275–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Trouble shooting problems: Mechanical and lubrication (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

10 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 274.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to check symptoms and locate causes of an airplane engine's running "rough," of low oil pressure, and of high oil temperature.

Buy from NF.

Trouble shooting problems: Mechanical and lubrication (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

46 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 274–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Trouble shooting your car (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 5)

Order no. OE 490.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: What a driver should do to locate and correct minor car troubles; and how to recognize symptoms of impending trouble.

Buy from NF.

Trouble shooting your car (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

29 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 5)

Order no. OE 490–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

A true standards (*Motion picture*) U. S. National Bureau of Standards, 1954.

12 min., sd., color, 16 mm.

Summary: Shows the importance of accurate standard weights and precise weighing techniques, and illustrates certain activities of the Federal, State and local governments in weights and measures administration. Tells, in story form, the step-by-step relationship between the international standard of mass and the test weighs used by an inspector in testing store scales, and shows how accuracy is maintained in commercial weighing.

Borrow from NBS. *Buy from* NBS. *Cleared from tv.*

Truing balance wheels (*Motion picture*) U. S. Veterans Administration, 1949.

7 min., sd., b&w, 16 mm. (Light mechanics series, no. 10)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Shows how to recognize and correct a balance wheel which does not run true, including the use of calipers, bending the wheel, using a wrench, and cleaning the balance wheel.

Borrow from VA. *Buy from* NF.

Truly yours: The dress that fits (*Motion picture*) U. S. Dept. of Agriculture, 1949.

18 min., sd., color, 16 mm.

Summary: Shows the fitting points to check when buying ready-made dresses, and how to make necessary alterations at home. Explains the most commonly needed alterations for the tall-slender, medium-stout, and short-plump types of figures.

Rent from DA Film Libraries. *Cleared for tv.*

Tsutsugamushi: Prevention (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

28 min., sd., b&w, 16 mm.

Order no. MN 5041–a.

Summary: Describes the nature of tsutsugamushi, symptoms of the disease, and preventive measures.

Borrow from Navy. *Buy from* NF.

Tube and shape bending (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

14 min., sd., b&w, 16 mm. (How to form aluminum series)

Order no. 206.

Summary: Explains hand bending, bending by power machines, cold and hot bending of aluminum.

Borrow from BM. *Cleared for tv.*

Tube bending by hand (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

15 min., sd., b&w, 16 mm. (Aircraft work series)

Order no. OE 142.

Supplemented by filmstrip of the same title.

With instructor's manual.

Summary: Why tubes must be bent for installation in airplanes; how to set up the tube bending machine for the job; and how the various parts of the machine function.

Buy from NF.

Tube bending by hand (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

38 fr., b&w, 35 mm. (Aircraft work series)

Order no. OE 142–fs.

Supplements motion picture of same title.

With instructor's manual.

Buy from NF.

Tube tester operation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

9 min., sd., b&w, 16 mm. (Radio technician training series)

Order no. MN 1540–p.

Summary: How to use testers to check cathode emission and dynamic mutual conductance of tubes.

Borrow from Navy. *Buy from* NF.

Tuberculin testing (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

10 min., sd., color, 16 mm.

Order no. MN 8951.

Summary: Demonstrates the procedures for administering and interpreting the PPD tuberculin test.

Borrow from Navy.

A tuberculose (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Saúde para as Américas)

Portuguese version of Tuberculosis.

Buy from NF. *Cleared for tv. Prior authorization required.*

Tuberculosis (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Health for the Americas series)

Summary: Explains the cause, symptoms, and transmission of tuberculosis; and emphasizes that the disease is controllable and curable. Animated cartoon.

Buy from NF. *Cleared for tv. Prior authorization required.*

La tuberculosis (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Salud para las Américas)

Spanish version of Tuberculosis.

Buy from NF. *Cleared for tv. Prior authorization required.*

Tuesday in November (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

22 min., sd., b&w, 16 mm. (American scene series, no. 13)

Summary: Portrays the 1944 presidential election from the pre-election nominating conventions through the party campaigns to election day in November. Explains the organization and structure of government in the United States.

Buy from NF.

Tulsa, Oklahoma (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Summary: Depicts the history of the city of Tulsa, Okla. Produced for use in occupied areas.

Buy from NF. *Cleared for tv. Prior authorization required.*

Tuned circuits (*Motion picture*) U. S. Dept. of the Army, 1954.

28 min., sd., b&w, 16 mm.

Order no. TF 11–1831.

Summary: Explains the theories behind the electronics of tuned circuits and the application of these theories to a practical radio receiver layout and to a radio transmitter.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Tuning (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

27 fr., b&w, 35 mm.

Order no. SN 649.

Summary: Describes the theory of tuning a radio circuit.

Borrow from Navy. *Buy from* NF.

Turbine operation (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

80 fr., b&w, 35 mm.

Order no. SCG 178–a, formerly SG 1779–b.

Summary: Shows the procedures for operating a ship's main turbine.

Buy from NF.

Turboprop/turboshaft engines: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1959.

13 min., sd., color. 16 mm.

Order no. MN 8812–a.

Summary: Outlines the theory of operation of turboprop and turboshaft engines with comparison to the turbojet engine. Shows testing and assembly of engine components in manufacture and the maintenance and operation of the engines.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Turbulence (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

51 fr., b&w, 35 mm.

Order no. SF 1–2525.

Summary: Describes three types of turbulence; their causes and associated hazards; and flight procedures in regions of turbulence.

Borrow from AF. *Buy from* NF.

Turkey (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

17 min., sd., b&w, 16 mm.

Order no. AFIF 31.

Summary: Explains the political, social, economic, and industrial significance of Turkey, and its importance in the North Atlantic Treaty Organization. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Cleared for tv.*

Turning a cylinder between centers (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 1)

Order no. OE 313.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to choose and center stock for a job; mount stock in the wood lathe for turning between centers; use the parting tool and the skew chisel; and sand turning work.

Buy from NF.

Turning a cylinder between centers (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

46 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 1)

Order no. OE 313–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning a cylinder between centers
see also
Tournage d'un cylindre entre les pointes

Turning a taper with the tailstock set over (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 6)

Order no. OE 44.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to calculate tailstock offset for cutting tapers; offset the tailstock; and turn a taper with the tailstock set over.

Buy from NF.

Turning a taper with the tailstock set over (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

54 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 6)

Order no. OE 44–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off (*Motion picture*) U. S. Veterans Administration, 1949.

6 min., sd., b&w, 16 mm. (Light mechanics series, no. 5)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Demonstrates how to use a graver in turning, facing, and chamfering a brass dowel.

Borrow from VA. *Buy from* NF.

Turning brass with hand gravers. Part 2: Turning straight and square shoulders (*Motion picture*) U. S. Veterans Administration, 1949.

5 min., sd., b&w, 16 mm. (Light mechanics series, no. 6)

Supplements the film released in 1949 with the title Prescription for work.

Summary: Demonstrates how to use a graver in reducing the diameter of brass wire and in squaring the shoulder.

Borrow from VA. *Buy from* NF.

Turning, facing, chamfering, cut-off
see Turning brass with hand gravers. Part 1:
Turning, facing, chamfering, cut-off

Turning straight and square shoulders
see Turning brass with hand gravers. Part 2:
Turning straight and square shoulders

Turning taper work (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

12 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 2)

Order no. OE 314.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to center cylindrical wood stock for spindle turning; make clearance cuts; establish the diameters of a taper; turn a single taper; establish diameters for turning two tapers from a single piece of stock; and turn the tapers.

Buy from NF.

Turning taper work (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

49 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 2)

Order no. OE 314–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning the tide (*Motion picture*) U. S. Dept. of Defense, 1950.

22 min., sd., b&w, 16 mm.

Order no. CB 102.

Summary: Military operations in Korea from August 10 to September 20, 1950.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Turning work held on a fixture (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 10)

Order no. OE 58.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount an irregularly shaped casting which cannot be held in a chuck; mount and center the fixture on a lathe; select and mount the tools; and turn, face, bore, counterbore, and ream the surfaces of a valve bonnet.

Buy from NF.

Turning work held on a fixture (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

34 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 10)

Order no. OE 58–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning work held on a fixture
see also
Torneado de una pieza fija en un sostén
Torneo de uma peça fixa num suporte
Torneo de una pieza fija en un sostén

Turning work held on a mandrel (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 13)

Order no. OE 61.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Description and uses of a mandrel; how to fit the mandrel into the workpiece; cut a bevel, using the compound rest; calculate speed and feed; and set the controls.

Buy from NF.

Turning work held on a mandrel (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

28 fr., b&w, 31 mm. (Machine shop work series. Operations on the engine lathe, no. 13)

Order no. OE 61–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning work held on a mandrel
see also
Torneado de una pieza en el mandril
Torneo de uma peça no mandril
Torneo de una pieza en el mandril

Turning work in a chuck (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

15 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 4)

Order no. OE 316.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount work on a face plate; turn one face of the work; make a chuck for the opposite face; fit the finished face to the chuck; turn the second face; and remove rechucked work from the chuck.

Buy from NF.

Turning work in a chuck (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

38 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 4)

Order no. OE 316–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning work in a chuck
see also
Tournage en mandrin

Turning work of two diameters (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

14 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 2)

Order no. OE 7.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to use roughing, finishing, facing, and radius tools; rough-turn and finish-turn a workpiece having two diameters; face a workpiece; and machine fillets.

Buy from NF.

Turning work of two diameters (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

34 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 2)

Order no. OE 7–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning work on a face plate (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

15 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 3)

Order no. OE 315.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Types of face plates; how to attach the stock to the face plate; true up the work; scribe the work for inside turning; use the roundnose and diamond point chisels; and smooth the bottom of the recess.

Buy from NF.

Turning work on a face plate (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

48 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 3)

Order no. OE 315–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Turning work on a face plate
see also
Tournage sur plateau

The turret lathe, an introduction (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 1)

Order no. OE 212.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Functions of the head, hexagon turret, square turret, and bed; how to determine the sequence of operations; take a multiple cut; and combine cuts from the hexagon and square turrets.

Buy from NF.

The turret lathe, an introduction (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

30 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 1)

Order no. OE 212–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Twelve nations sign North Atlantic pact (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

14 min., sd., b&w, 16 mm.

Order no. MF 45–7563.

Summary: Depicts the signing of the North Atlantic treaty, with Secretary of State Acheson and President Truman explaining the purpose of the pact and the mutual benefits to member nations.

Borrow from Army. *Cleared for tv.*

24 hour alert (*Motion picture*) U. S. Dept. of the Air Force, 1956.

32 min., sd., color, 16 mm.

Order no. SFP 410.

Summary: Dramatizes the story of a town that objects to the noise of a nearby jet air base and the change of attitude of the mayor after he learns of the services and importance of a "24 hour alert."

Borrow from AF. *Cleared for tv.*

The Twenty-sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1952.

16 min., sd., b&w, 16 mm.

Order no. MF 130–7872.

Summary: Reviews briefly the origin of the Twenty-sixth Infantry Division in 1917, and covers in detail its activites and achievements in World War II.

Borrow from Army. *Cleared for tv.*

27th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

20 min., sd., b&w, 16 mm.

Order no. MF 130–7929.

Summary: Reviews the history of the 27th Infantry Division, particularly its part in the campaigns of Makin, Eniwetok, Saipan, and Okinawa during World War II.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

29th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

19 min., sd., b&w, 16 mm.

Order no. MF 130–7554.

Summary: History of the activities of the 29th Infantry Division from training camp to Germany. Shows amphibious maneuvers in England, and combat operations in Normandy, St. Lo, Brest, and Germany.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Two half hitches and a round turn (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.

Order no. MCG 302, formerly MG 2318–a.

Supplementary filmstrip of same title also available.

Summary: Explains why a round turn and two half hitches are used for mooring small craft; and demonstrates the procedure for making the tie.

Buy from NF.

Two half hitches and a round turn (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
31 fr., b&w, 35 mm.
Order no. SCG 302, formerly SG 2318–b.
Supplements motion picture of same title.
Summary: Shows how to tie and untie a round turn and two half hitches.
Buy from NF.

Two hats (*Motion picture*) U. S. Dept. of the Air Force, 1959.
28 min., sd., color, 16 mm.
Order no. SFP 663.
Summary: Describes how U. S. Air Force Reservists and Air National Guardsmen—civilians from all walks of life—help put out a simulated brush war in Exercise Dark Cloud/Pine Cone and prove that they are trained and ready to perform their vital functions should war come.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Types of damaged kernels and other conditions (*Filmstrip*) U. S. Dept. of Agriculture, 1950.
33 double fr., color, 35 mm.
Order no. C–10.
Summary: Explains the classification of corn and soybeans, and shows various types of damaged kernels found in commercial lots of wheat, corn, and soybeans.
Buy from PhotoLab.

The typhoid carrier (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Summary: Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.
Buy from NF. *Cleared for tv.*

The typhoid carrier
see also
Febre tifóide
La tifoidea

Typhus control series
see
Identification of some common sucking lice

Typhus in Naples (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., color, 16 mm. (Medicine in action series, no. 2)
Order no. MN 3726–b.
Summary: Covers typhus epidemic in Naples during the winter of 1943–44 and how it was checked by proper control methods. For medical personnel.
Borrow from Navy. *Buy from* NF.

Typical television interference patterns (*Motion picture*) U. S. Dept. of Agriculture, 1953.
11 min., sd., b&w, 16 mm.
Summary: Demonstrates and discusses types of television interference patterns most noticeable on TV receivers. Primarily for technical personnel.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Typing of tubercle bacilli by animal inoculation (*Motion picture*) U. S. Public Health Service, 1950.
14 min., sd., b&w, 16 mm. (Laboratory diagnosis of tuberculosis, no. 4)
Order no. 4–060.4.
Filmstrip of the same title also available.
Summary: Demonstrates a technique for the typing and determination of virulence of tuberculosis cultures by animal inoculation; and shows how the cultures are standardized and diluted to insure the validity of the results of such typing.
Borrow from PHS. *Buy from* NF.

Typing of tubercle bacilli by animal inoculation (*Filmstrip*) U. S. Public Health Service, 1950.
58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Laboratory diagnosis of tuberculosis, no. 4)
Order no. 5–123.4.
Motion picture with same title also available.
Borrow from PHS.

U

UCLA (*Motion picture*) U. S. Dept. of State, 1948. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.
44 min., sd., b&w, 16 mm.
Summary: Shows student life, student government, athletics, social events, classroom activities, and academic opportunities in American colleges and universities, as illustrated by the University of California at Los Angeles. Prepared for overseas use.
Buy from NF.

UN counterattack (*Motion picture*) U. S. Dept. of Defense, 1951.
17 min., sd., b&w, 16 mm.
Order no. CB 111.
Summary: Military operations in Korea from May 20 to June 20, 1951.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

UNESCO and Japan (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
Summary: Explains the functions and operations of the United Nations Educational, Scientific and Cultural Organization, with special reference to its meaning for the Japanese people. Prepared for use in occupied areas, particularly in Japan.
Buy from NF.

UN forces consolidate below 38th parallel (*Motion picture*) U. S. Dept. of Defense, 1951.
20 min., sd., b&w, 16 mm.
Order no. CB 106.
Summary: Military operations in Korea from December 20, 1950, to January 20, 1951.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

UN forces cross the 38th parallel (*Motion picture*) U. S. Dept. of Defense, 1951.
19 min., sd., b&w, 16 mm.
Order no. CB 109.
Summary: Military operations in Korea from March 20 to April 20, 1951.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

UN forces escape trap (*Motion picture*) U. S. Dept. of Defense, 1951.
16 min., sd., b&w, 16 mm.
Order no. CB 105.
Summary: Military operations in Korea from November 20 to December 20, 1950.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

UN forces move north (*Motion picture*) U. S. Dept. of Defense, 1951.
17 min., sd., b&w, 16 mm.
Order no. CB 107.
Summary: Military operations in Korea from January 20 to February 20, 1951.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

UN offensive (*Motion picture*) U. S. Dept. of Defense, 1950.
21 min., sd., b&w, 16 mm.
Order no. CB 106.
Summary: Military operations in Korea from September 20 to October 20, 1960.

Borrow from Army. *Buy from* NF.

UN offensive continues (*Motion picture*) U. S. Dept. of Defense, 1951.
18 min., sd., b&w, 16 mm.
Order no. CB 108.
Summary: Military operations in Korea from February 20 to March 20, 1951.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The USAF calibration program (*Motion picture*) U. S. Dept. of the Air Force, 1962.

13 min., sd., color, 16 mm.
Order no. SFP 1047
Summary: Outlines the mission of the USAF calibration program, a concept that insures the accuracy of aircraft and missile navigational equipment. Shows how students receive laboratory training at Lowry AFB in the use of precision measuring equipment. Points out how skilled graduates apply their knowledge and training in the field.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

USAF Flight Test School (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., color, 16 mm.
Order no. SFP 419.
Summary: Describes enrollment prerequisites, curriculum, and objectives of the USAF Flight Test School, an Air Research and Development Command activity at Edwards AFB, California.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The USAF maintenance management improvement program (*Motion picture*) U. S. Dept. of the Air Force, 1958.
20 min., sd., b&w, 16 mm.
Order no. SFP 541.
Summary: Traces the processing of an emergency maintenance request by the Installations-Engineer Office of a typical air base to illustrate the maintenance management improvement program of the Air Force.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

The U. S. Army medical team (*Motion picture*) U. S. Dept. of the Army, 1955.
15 min., sd., b&w, 16 mm.
Order no. MF 20-8422.
Summary: Explains the mission and functions of the various departments in the Medical Corps, and the advantages of a medical career in the Army. Designed primarily for Army medical recruitment.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

U. S. Army service clubs (*Filmstrip*) U. S. Dept. of the Army, 1954.
69 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 12-18.
Summary: Explains the functions and responsibilities of the service clubs of the U. S. Army.
Borrow from Army.

U. S. Joint Chiefs of Staff weapons demonstration, Caribbean, 19 February–1 March 1961 (Motion picture) U. S. Dept. of the Army, 1961.

38 min., sd., color, 16 mm.
Order no. MF 20-9378
Summary: Covers the 1961 meeting in the Caribbean of the military leaders of the Western Hemisphere. Pictures areas visited in Puerto Rico, Panama, and the Canal Zone.

Borrow from Army.

U. S. Naval Civil Engineering Laboratory (*Motion picture*) U. S. Dept. of the Navy, 1959.
17 min., sd., color, 16 mm.
Order no. MN 8800.
Summary: Portrays scientific and technical information on the operation and functions of the U. S. Naval Civil Engineering Laboratory at Port Hueneme, California.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

U. S. Naval Reserve: Air Naval Reserve, the weekend warriors (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., b&w, 16 mm.
Order no. MN 6827-a.
Summary: Traces the experience of a reservist from boot training to his first cruise aboard a carrier.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

U. S. Naval Reserve: Submarine Naval Reserve (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Princeton Film Center.
14 min., sd., b&w, 16 mm.
Order no. MN 6827-c.
Summary: Portrays the enlistment of a young man into the Submarine Naval Reserve; follows his experiences during two summer cruises; and explains the physical and psychological characteristics required of submarine crews. Designed primarily for recruiting purposes.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

U. S. Naval Reserve: The surface reserve (*Motion picture*) U. S. Dept. of the Navy, 1950.
14 min., sd., b&w, 16 mm.
Order no. MN 6827-b.
Summary: Explains the training and courses in the U. S. Naval Reserve, and shows some of the experiences of reservists during an annual two-week cruise.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The U. S. Naval Test Pilot School (*Motion picture*) U. S. Dept. of the Navy, 1959.
13 min., sd., color, 16 mm.
Order no. MN 8613.
Summary: Shows the academic and flying curriculum of a student test pilot as he goes through the Test Pilot School and the tests which he will be taking in one of the form-test divisions at NATC and in the fleet.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

U. S. Navy armored life jacket (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., b&w, 16 mm.
Order no. MN 9026.
Summary: Demonstrates how a bullet-proof fabric material called Doran can be used to protect Navy personnel against small arms fire.
Borrow from Navy. *Buy from* NF.

U. S. rifle cal. 7.62 mm, M–14, operation and cycle of functioning (*Motion picture*) U. S. Dept. of the Army, 1960.

28 min., sd., b&w, 16 mm.
Order no. TF 9-2970
Summary: Describes the design, capability, functioning, and operation of the M–14 rifle, using live action and animation pertinent aspects related to the handling and operation of the weapon. Illustrates loading and firing, field stripping procedures, and disassembly of the major components of the M–14. Emphasizes advantages of the M–14 and its greater combat capability.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

U. S. S. Forrestal (CVA–59) (*Motion picture*) U. S. Dept. of the Navy, 1956.
21 min., sd., b&w, 16 mm.
Order no. MN 8087.
Summary: Describes the construction of a modern aircraft carrier from keel laying to actual sea trials and final commissioning.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

USS Nautilus: Operation sunshine (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., color, 16 mm.
Order no. MN 8936.
Summary: Shows events leading up to and during the actual polar passage of the USS Nautilus.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

U. S. standards for quality of eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
39 double fr., color, 35 mm.
Order no. C–53.
With lecture notes.
Summary: Illustrates the candled appearance of the official U. S. standards for various grades of both white and brown eggs and shows the four qualities of uncooked, poached, fried and hard-cooked eggs. Intended primarily for those interested in producing, processing, grading, and packing eggs.
Buy from PhotoLab.

U. S. standards for quality of ready-to-cook poultry (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
53 double fr., color, 35 mm.
Order no. C–59.
With lecture notes.
Summary: Illustrates the U. S. standards of quality for stewing chickens, young chickens, and turkeys. Shows the factors of fleshing and fat cover, examples of protruding pin feathers, and several types of bruises. Intended as a teaching aid and for use of poultry graders.
Buy from PhotoLab.

U. S. weapons in combat (*Motion picture*) U. S. Dept. of the Army, 1953.
15 min., sd., b&w, 16 mm.
Order no. MF 33–7927.
Summary: Portrays weapons supplied by the United States to NATO (North Atlantic Treaty Organization) nations under the Mutual defense assistance program.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Ulnar nerve and soft tissue defect and simultaneous repair in the forearm (*Motion picture*) U. S. Dept. of the Army, 1950.
10 min., sd., color, 16 mm.
Order no. PMF 5133.
Summary: Uses a clinical case to demonstrate a method of accomplishing the simultaneous repair of a soft tissue defect and ulnar nerve defect in the forearm. For medical personnel.
Borrow from Army.

Uncle Sam goes to the trade fairs (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1958.
14 min., sd., color, 16 mm.
Summary: Describes United States participation in international trade fairs and shows scenes of the exhibits presented at the 1957 fairs in Tokyo, Casablanca, Milan, Paris, and Poznan.
Borrow from DC-OTF.

The uncommon man (*Motion picture*) U. S. Marine Corps, 1958. Made by U. S. Dept. of the Navy.
26 min., sd., b&w, 16 mm.
Order no. MH 8962.
Summary: Portrays the training of Marine ground officers through the actual experiences of a young man who enrolls in a Marine platoon leaders class while in college. Follows his activities as he takes his pre-commissioning training during school summers, and, after commissioning, receives basic officer training at Quantico, Virginia.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Uncommon valor (*Motion picture*) U. S. Dept. of the Navy, 1952.
8 min., sd., b&w, 16 mm.
Order no. MH 7331.
Summary: Presents the story of the statue, Flag Raising on Iwo Jima, created by Felix de Weldon. Contains scenes of the 1945 landing on Iwo Jima, the original photograph of the flag raising, the sculptor at work, the statue and its unveiling at Quantico.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Undersnow structures (*Motion picture*) U. S. Army Engineers, 1958.
14 min., sd., color, 16 mm.
Summary: Describes some of the problems encountered in the building of structures in deep snow, and shows actual construction of several types of undersnow structures on the Greenland ice cap.
Borrow from Eng. *Cleared for tv.*

Understanding the physical world through measurement (*Motion picture*) U. S. National Bureau of Standards, 1957.
33 min., sd., color, 16 mm.
Summary: Lecture demonstration of the historical development of means for utilizing energy sources from the steam engine to uranium fission. Includes transformations between potential and kinetic energy, and between mechanical, chemical, heat, and other forms of energy. Emphasizes the important part played by physical measurement in those scientific discoveries which have opened up new sources of energy to mankind.
Borrow from NBS.

Uniform code of military justice (*Motion picture*) U. S. Dept. of the Army, 1954. Released for public educational use, 1956.
45 min., sd., b&w, 16 mm.
Order no. TF 15–1920.
Summary: Discusses the origin of the articles of war; the purpose, composition, various types, and procedure of courts-martial; stages of review up to the Court of Military Appeals; comparison of the unique quality of military and civilian conduct; the articles of the code; punitive crimes; and the honorable discharge.
Borrow from Army.

Uniform code of military justice series
see
The code and you
Non-judicial punishment
Special court martial
Summary court martial

Uniform traffic laws (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
5 min., sd., color, 16 mm.
Summary: Explains the importance of uniform traffic laws from State to State, and shows how differences in such laws can contribute to accidents.
Borrow from PCTS. *Cleared for tv.*

Union and the community (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Promotional Films. Released for public educational use through U. S. Office of Education, 1951.
18 min., sd., b&w, 16 mm.
Summary: Portrays how a Union Council in Chester, Pa., helped develop social agencies needed by the Community. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

Union local (*Motion picture*) U. S. Dept. of State, 1951. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1952.
26 min., sd., b&w, 16 mm.
Summary: Presents a dramatized story of how a machinist's union presents its problems to management and how agreements are reached through discussion. Explains how union officers are elected, their responsibility to union members, and their function in labor-management meetings. Prepared for overseas use.
Buy from NF.

United Nations campaign in northeast Korea (*Motion picture*) U. S. Dept. of the Army, 1952.
25 min., sd., b&w, 16 mm.
Order no. MF 40–7884.
Summary: Reviews the capture of Seoul and Pyongyang by United Nations forces in the fall of 1950 and describes, using combat footage, the role of the U. S. Army 10th Corps in the evacuation of Hungnam.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The United States adopts a policy of imperialism
see American history II, lecture 8: The
United States adopts a policy of imperialism

United States Army research and development progress report, no. 1 (*Motion picture*) U. S. Dept. of the Army, 1960.
28 min., sd., color, 16 mm.
Order no. R&D PR #1
Summary: A progress report of the U. S. Army research and development programs, including the old and new Honest John, Little John, Lacrosse, the self-propelled 8-inch Howitzer; the armored wrecker recovery vehicle; the rolling fluid transporter; the armored vehicle launched bridge; the Caribou (twin engine all purpose fixed wing aircraft), the Iroquois (turbo powered helicopter), Project DOAK (aircraft research), the new Army boots, the aluminum fire fighting suit, the Nike Hercules vs. Q–5 target missile, and the Hawk vs. QF–80 fighter plane.
——— Another issue. b&w.
Borrow from Army.

United States Army research and development progress report, no. 2 (*Motion picture*) U. S. Dept. of the Army, 1961.
28 min., sd., color, 16 mm.
Order no. R&D PR #2
Summary: A progress report of the U. S. Army research and development programs, including the lighter amphibious resupply cargo 5-ton, the beach discharge lighter, the battalion missile operations system AN/MSQ–18, the tank main battle M60, the personnel carrier, M–13, the intestinal biopsy capsule, the Universal engineer tractor with rubber tires, the 175mm gun, T235, the GOERS cargo carrier tanker, the Mohawk, and the new family of FM combat radios.
——— Another issue. b&w.
Borrow from Army.

United States Army research and development progress report, no. 3 (*Motion picture*) U. S. Dept. of the Army, 1961.
31 min., sd., color, 16 mm.
Order no. R&D PR #3
Summary: A report on the objectives, scope, accomplishments, and future goals of U. S. Army research and development programs.
——— Another issue. b&w.
Borrow from Army. *Cleared for tv.*

United States Army research and development progress report, no. 4 (*Motion picture*) U. S. Dept. of the Army, 1962.
28 min., sd., color, 16 mm.
Order no. R&D PR #4
Summary: A progress report of the U. S. Army research and development programs, including the Nike Zeus, the Davy Crockett, the high altitude low opening (Halo) parachute, the lighter, amphibious resupply cargo T115, the rough terrain crane, the grenade launcher, 40mm, M79, the small rocket lift device, the HU 1 (Iroquois) with antitank guided missile SS 11, and the command and reconnaissance vehicle T114.
——— Another issue. b&w.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

United States Army Signal Equipment Support Agency (*Motion picture*) U. S. Dept. of the Army, 1959.
23 min., sd., color, 16 mm.
Order no. MF 11–8931.
Summary: Explains the mission and functions of the United States Army Signal Equipment Support Agency (USASESA); traces the development of the Handy Talkie (AN/PRC 6) from inception to its final form for demonstration; describes the services that USASESA performs, including streamlining of procurement, product engineering, maintenance engineering, application engineering, standardization, modification, improvement and simplification, testing, production management, and evaluation of performance in the field; and emphasizes that these functions are a continuous process since new equipment is continuously being developed by and procured for the Armed Forces.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The United States Coast Guard (*Motion picture*) U. S. Coast Guard, 1958.
29 min., sd., color, 16 mm.
Summary: Presents an over-all view of U. S. Coast Guard operations from its 1790 origin to the present time, including port security, maintenance of aids to navigation, promotion and enforcement of maritime safety measures, ice and weather patrol, search and rescue operations, small boat safety.
Borrow from CG. *Buy from* NF. *Cleared for tv.*

The United States continues its policy of isolation
see American history II, lecture 2: The
United States continues its policy of isolation

The United States in today's World
see American history II, lecture 18: The
United States in today's world

The United States Naval Engineering Experiment Station (*Motion picture*) U. S. Dept. of the Navy, 1959.
20 min., sd., b&w, 16 mm.
Order no. MN 8547.
Summary: Explains that the mission of the United States Naval Engineering Experiment Station at Annapolis, Maryland, is to improve naval machinery; shows the testing and research conducted in order to obtain this objective.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The United States Naval Observatory (*Motion picture*) U. S. Dept. of the Navy, 1955.
10 min., sd., b&w, 16 mm.
Order no. MN 8093.
Summary: Explains the two missions of the U. S. Naval Observatory—determination of accurate time and provision of navigational aids to the sailor and flier. Shows astronomers and mathematicians at work making observations, calculating star positions, and carrying on a research program aimed at providing more accurate time and acquiring valuable information on the universe.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The unseen army (*Motion picture*) U. S. Dept. of the Army, 1954.
23 min., sd., b&w, 16 mm.
Order no. MF 45–8198.
Summary: Tells the story of civilian workers in the Ordnance Corps of the U. S. Army. Shows the scope, duties, and responsibilities of the Ordnance Corps with scenes of typical installations and activities.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Unwanted aliens (*Motion picture*) U. S. Dept. of Agriculture, 1961.
11 min., sd., color, 16 mm.
Subject: Shows unwanted foreign insects which could be introduced into the United States. Prepared primarily for employees of Agricultural Research Service and other entomological training personnel.
Borrow from DA. *Buy from* DA–MPS.

The upper extremity (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., color, 16 mm. (Amputations series, no. 3)
Order no. MN 3429–c.
Summary: How to perform guillotine amputation on upper extremity. Shows specific operation of the supracondylar area of the arm; revision and reamputation of the stump; and the technique of cineplastic operation. Illustrates types of prostheses for upper extremity amputations. For medical personnel.
Borrow from Navy. *Buy from* NF.

Upper extremity prosthetic principles (*Motion picture*) U. S. Veterans Administration, 1955.
29 min., sd., color, 16 mm.
Summary: Shows examples of research efforts resulting in prosthetic principles leading to better artificial arms. Describes the functions lost at different levels of amputation, the principles involved in their prosthetic restoration, and such devices and components as an armamentarium board.
Borrow from VA. *Buy from* NF.

Upper extremity prosthetics (*Motion picture*) U. S. Veterans Administration, 1952.

23 min., sd., color, 16 mm.

Summary: Explains the prescription, fabrication, fitting, and harnessing of artificial arms; shows preprosthetic and prosthetic training activities; describes various devices and appliances; and discusses some of the adjustments related to the acceptance and use of artificial arms. For medical personnel.

Borrow from VA. *Buy from* NF.

Upstream where floods begin (*Motion picture*) U. S. Dept. of Agriculture, 1954.

12 min., sd., b&w, 16 mm.

Summary: A filmograph, dealing with the watershed protection work of the Soil Conservation Service. Explains how conservation land treatment and the construction of small upstream structures lessen the threat of flood damage and benefit the farming community.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The Urban Maes amputation for peripheral vascular disease (*Motion picture*) U. S. Veterans Administration, 1956.

12 min., sd., color, 16 mm.

Summary: Demonstrates the advantages in the Urban Maes technique of below-the-knee amputation in diseases of compromised circulation. Shows the operative technique from initial incision to final stump closure and the healed stump with range of motion some weeks later. Shows several other patients who have been handled in a similar manner, with views of their stumps, ambulatory on pylon temporary, and final prostheses.

Borrow from VA.

Uretero-ileo-urethral anastomosis—a bladder substitute (*Motion picture*) U. S. Veterans Administration, 1959.

18 min., sd., color, 16 mm.

Summary: Explains that uretero-ileo-urethral anastomosis is a method of urinary diversion which may be used following total cystectomy, that this technique substitutes a segment of ileum for the normal bladder, and that to this ileum are anastomosed both ureters and urethra, allowing both urinary continence and relatively normal voiding through the normal channel. It does not lead to upper urinary tract distention. There is, however, some reflux of both ureters, as demonstrated on cineroentgenography. Blood chemical studies remain normal.

Borrow from VA.

Use and care of electric motors (*Motion picture*) U. S. Dept. of Agriculture, 1954.

5 min., sd., b&w, 16 mm.

Summary: Shows proper use, care, and maintenance of portable electric motors. For television use.

Borrow from DA–MPS. *Buy from* DA.

Use and care of fiber rope (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)

Order no. MN 2340–b.

Summary: Explains how to care for, inspect, and use fiber ropes; compares sisal manila and jute; and shows methods of splicing and eyeing.

Borrow from Navy. *Buy from* NF.

Use and care of hand tools. Part 1: Vises, screwdrivers, hammers, pliers (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

68 fr., b&w, 35 mm.

Order no. FS 1–647.

Summary: Displays the different types of vises, screwdrivers, hammers, and pliers, and explains how to use and care for each type.

Borrow from AF.

Use and care of wire rope (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)

Order no. MN 2340–a.

Summary: Describes the construction, use, and protective qualities of wire rope; stresses importance of careful handling to avoid kinks; and explains seizing, the eye splice, frieze fitting, and the thimble.

Borrow from Navy. *Buy from* NF.

The use of aircraft for insect control. Part 1: Mosquito control (*Motion picture*) U. S. Public Health Service, 1949.

13 min., sd., b&w, 16 mm. (Malaria control series)

Order no. 4–077.

With utilization guide.

Filmstrip of the same title also available.

Summary: Depicts the general techniques, materials, and equipment developed in the use of aircraft for mosquito control; and indicates the kind of situation in which such control may economically and feasibly be applied.

Borrow from PHS. *Buy from* NF.

The use of aircraft for insect control. Part 1: Mosquito control (*Filmstrip*) U. S. Public Health Service, 1949.

71 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Malaria control series)

Order no. 5–113.

With utilization guide.

Motion picture of the same title also avalable.

Summary: Depicts the general techniques, materials, and equipment developed in the use of aircraft for mosquito control; and indicates the kind of situation in which such control may economically and feasibly be applied.

Borrow from PHS. *Buy from* NF.

Use of anticoagulants in rodent control (*Motion picture*) U. S. Public Health Service, 1961.

11 min., sd., color, 16 mm.

Order no. M 474.

Adapted from the 1958 filmstrip of the same title

Summary: Describes the advantages of using fresh, high grade rodenticides; discusses forms and types of anticoagulants which are available; shows how to prepare and place the baits in order to provide the most efficient kill; and points out inspection and precautionary measures to be followed.

Borrow from PHS. *Buy from* NF.

Use of anticoagulants in rodent control (*Filmstrip*) U. S. Public Health Service, 1958.

76 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. F 298.

Summary: Describes the use of anticoagulants to kill rodents, advantages of these poisons, various forms and types of anticoagulants available, preparation of the various baits, placement of these poisons to provide the most efficient results, and precautionary measures when using these materials.

Borrow from PHS. *Buy from* NF. *Cleared for tv.*

Use of fire in slash disposal (*Motion picture*) U. S. Dept. of Agriculture, 1960.

16 min., sd., color, 16 mm.

Summary: An in-service training film for administrative and forest-fire control personnel who supervise and participate in slash disposal operations. Explains the use of fire as part of the entire slash treatment job and demonstrates the techniques and procedures used in the elimination of accumulations of natural and man-made debris.

Rent from DA film libraries. *Cleared for tv.*

Use of radio and visual signaling devices (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., color, 16 mm. (Search and rescue series. Standardization of crew training for search and rescue craft)

Order no. MG 5381–c.

Summary: Shows the rescue of men at sea in rafts by the U. S. Coast Guard SAR plane and ship, and the use of radio and visual signals during the afternoon and night.

Buy from NF. *Cleared for tv.*

Use of reference surfaces
see
Elaboración de una pieza en el plato

Use of special electronic and visual search aids (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)

Order no. MG 5380-d.

Summary: Shows a night search for plane survivors on rafts by a U. S. Coast Guard ocean station vessel and by a search and rescue plane.

Buy from NF. *Cleared for tv.*

Use of the problem in teaching (*Motion picture*) U. S. Dept. of the Air Force, 1958.

28 min., sd., b&w, 16 mm.

Order no. TF 1-5255.

Summary: An Air University instructor employs a clever method for impressing his students with the principles and techniques of using the problem as an effective teaching aid.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock) (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Film Graphics.

15 min., sd., color, 16 mm.

Order no. MN 7335.

Summary: Describes characteristics of shock and shock cycle. Schematic visuals provide information of blood components used to combat shock, and background information of blood and structure of the circulatory system.

Borrow from Navy. *Buy from* NF.

Use your ashtray (*Motion picture*) U. S. Dept. of Agriculture, 1953.

40 sec., sd., b&w, 16 mm. (Smokey Bar forest fire prevention, series 3, no. 2)

Summary: Explains the importance, while driving through forests, of using the ashtray in an automobile to extinguish matches and cigarettes. Prepared for television use.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Usinage précis du bois. Initiation à la modèlerie
see
Fabrication d'un modèle avec un noyau horizontal
Fabrication d'un modèle avec un noyau vertical
Fabrication d'un modèle avec une portée à talon
Fabrication d'un modèle plat d'une pièce
Fabrication d'un modèle pour un coude de tuyau à brides
Fabrication d'un modèle pour un moule en trois parties
Fabrication d'un modèle segmenté
Fabrication d'une boîte à noyaux pour un coude de tuyau à brides
Fabrication d'une boîte à noyaux pour un noyau vertical
Fabrication d'une boîte à noyaux pour une portée à talon
Fabrication d'une plaque-modèle

Usinage précis du bois. Problèmes de modèlerie
see
Etude d'un modèle pour un bloc de moteur refroidi à l'eau
Fabrication d'un modèle avec un noyau à renflement
Fabrication d'un modèle, de boîtes à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau
Fabrication d'un modèle exigeant la construction d'un châssis
Fabrication d'un modèle exigeant la construction segmentaire
Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec
Fabrication d'une boîte à noyaux pour une base de machine
Fabrication du modèle d'une soupage sphérique d'équerre en acier, moulée mécaniquement
Reprise de l'étude d'un modèle pour fin de production en série

Usinage précis du bois. Travail à la dégauchisseuse
see
Biseau, chanfrein arrête et effilage progressif d'une pièce carrée
Corroyage de surfaces inégales
Dégauchissage d'un champ pour le collage: Installation des couteaux
Dégauchissage des champs et extrémités d'équerre avec la face

Usinage précis du bois. Travail à la ponceuse
see
Ponçage de surfaces planes et irrégulières

Usinage précis du bois. Travail à la raboteuse sur une face
see
Rabotage de surfaces rugueuses à certaines dimensions

Usinage précis du bois. Travail à la scie à ruban
see
Chantournage d'une courbe renversée et d'une courbe renversée biseautée
Sciage avec gabarit et changement de ruban

Usinage précis du bois. Travail à la scie combinée
see
Biseau, onglet, feuillure, et entaille
Coupe de tenons et de segments
Sciage d'une gorge et d'une boîte à noyaux
Sciage sur le long et sciage sur le travers

Usinage précis du bois. Travail à la toupie
see
Feuillurage et toupillage d'un champ sur un matériel droit
Tournage d'un cylindre entre les pointes
Tournage d'une bride sur plateau
Tournage en mandrin
Tournage sur plateau

Using a boring bar between centers: Work held on carriage (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe no. 16)

Order no. OE 64.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to set up a boring bar between centers of a lathe; clamp an irregular workpiece on a lathe carriage; mount, adjust, and use a boring bar between centers of the lathe; and align the work piece center with the lathe centerline.

Buy from NF.

Using a boring bar between centers: Work held on carriage (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

33 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 16)

Order no. OE 64–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Using a follower rest (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 15)

Order no. OE 63.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Description and uses of the follower rest; how to mount the follower rest on the lathe; adjust the jaws of the follower rest to the work; and lubricate the work to prevent damage to the jaws and workpiece.

Buy from NF.

Using a follower rest (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

30 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 15)

Order no. OE 63–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Using a portable spray gun (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

26 min., sd., b&w, 16 mm. (Aircraft work series. Finishing)

Order no. OE 289.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How the pressure tank operates; how to clean portable spray guns; adjust paint, spray, and air controls; stroke while painting; and use the suction type spray gun.

Buy from NF.

Using a portable spray gun (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

49 fr., b&w, 35 mm. (Aircraft work series. Finishing)

Order no. OE 289–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Using a shell end mill (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 1)

Order no. OE 72.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How the vertical milling machine differs from other milling machines; how to produce a flat surface with a shell end mill; use the sliding head; what speed and feed are, and how to calculate them.

Buy from NF.

Using a shell end mill (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

20 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 1)

Order no. OE 72–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Using a steady rest (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

25 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 14)

Order no. OE 62.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Description and uses of the steady rest; how to spot the work for the location of the steady rest; mount the steady rest on the lathe; and adjust the jaws of the rest to the work.

Buy from NF.

Using a steady rest (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

34 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 14)

Order no. OE 62–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Using a steady rest
  see also
 O emprêgo do suporte fixo
 El uso del soporte fijo

Using a steady rest when boring (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 17)

Order no. OE 65.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to mount a long casting on a lathe faceplate; turn a true bearing spot for supporting the workpiece with a steady rest; and how boring, turning, and forming operations are performed when work is supported by a steady rest.

Buy from NF.

Using a steady rest when boring (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 17)

Order no. OE 65–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Using animals in the laboratory (*Filmstrip*) U. S. Public Health Service, 1953.

68 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Basic laboratory training for nonprofessional workers, no. 4)

Order no. F 106–d.

Summary: Shows methods of handling rats, hamsters, guinea pigs, rabbits, and chicks for such purposes as giving injections, making venus punctures, taking temperature, and giving medication.

Borrow from PHS. *Buy from* NF.

Using visual aids in training (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

14 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 167.

With instructor's manual.

Summary: An instructor, teaching his class the use of the micrometer, follows a carefully planned procedure involving the use of a training motion picture, a coordinated filmstrip, and an instructor's manual.

Buy from NF.

El uso del soporte fijo (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

25 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)

Order no. OE 62–Sp.

Spanish version of Using a steady rest.

Buy from NF.

El uso del soporte fijo (*Motion picture*) U. S. Office of Education [1959?]

25 min., sd., b&w, 16 mm.

Order no. OE 62–Sp.

Spanish version of the 1943 motion picture entitled Using a steady rest.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Describes the steady rest and its uses, and shows how to spot the work for the location of the steady rest, how to mount the steady rest on the lathe, and how to adjust the jaws of the rest to the work.

Buy from NF.

Usos del torno de precisión
see Trabajo de taller mecánico. Usos del torno de precisión

Usos do tôrno de precisão
see Trabalho de oficina mecânica. Usos do tôrno de precisão

Uterine cancer: The problem of early diagnosis (*Motion picture*) National Cancer Institute of the U. S. Public Health Service and American Cancer Society, 1951. Made by Audio Productions.
21 min., sd., color, 16 mm.
Summary: A teaching film on the early diagnosis of uterine cancer through visualization of the cervix, bimanual palpation, tissue biopsy where indicated, and routine vaginal and selective cervical smears. For general practitioners, residents, interns, medical students in their clinical years.
Borrow from ACS *or* NCI. *Buy from* ACS.

V

VDRL slide qualitative test with serum (*Motion picture*) U. S. Dept. of the Navy, 1957.
6 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MED 11–57.
Summary: Demonstrates the venereal disease research laboratory slide test for diagnostic purposes. Shows preparation of antigens, and testing of delivery apparatus. Demonstrates the performance of the qualitative slide test, including the reading of the results. Depicts, in cinemicroscopy, the several types of readings that may result.
Borrow from Navy.

VDRL tests for syphilis (*Motion picture*) U. S. Public Health Service, 1959.
22 min., sd., b&w, 16 mm.
Order no. FG 342.
Summary: Describes the preparation of the basic antigen emulsion; shows the procedures for the slide flocculation tests for serum, for the tube flocculation tests for serum, and for the spinal fluid test; and gives a recapitulation of key points of VDRL tests for syphilis.
Borrow from PHS. *Buy from* NF.

VT bomb and rocket fuzes (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
25 min., sd., b&w, 16 mm.
Order no. FB 9–197.
Summary: Demonstrates operations of proximity bomb and rocket fuses over land and water; method of arming; and safety precautions to be observed.
Borrow from Army. *Buy from* NF.

V–2 rocket: Assembling and launching (*Motion picture*) U. S. Dept. of Defense, 1948.
11 min., sd., b&w, 16 mm.
On reel with Task force frigid.
Excerpts from the 1947 film of the same title (order no. FB 219)
Order no. AFSR 92.
Summary: Experimental work in V–2 rockets being conducted at White Sands, New Mexico.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Vaccinate against smallpox (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Summary: Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.
Buy from NF. *Cleared for tv.*

Vaccinate against smallpox
see also
Variola
La viruela

La vacuna; o, Defensa contra la invasión (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
13 min., sd., color, 16 mm.
Spanish version of Defense against invasion.
Summary: Explains how vaccination makes the body immune to certain diseases. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

Vacuum tubes (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.
37 fr., b&w, 35 mm.
Order no. SN 650.
Summary: Describes the theory of operation of vacuum tubes and their function in the radio circuit.
Borrow from Navy. *Buy from* NF.

Vacuum tubes: Electron theory and the diode tube (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
16 min., sd., b&w, 16 mm.
Order no. TF 1–470.
Summary: Explains electron behavior in matter, electron sources in vacuum tubes, symbols of tubes, functioning of tube in a circuit, and effect of plate voltage changes, space charge, and diode and duodiode as reflectors.
Borrow from AF. *Buy from* NF.

Vacuum tubes: Triode and multipurpose tubes (*Motion picture*) U. S. Army Air Forces, 1942.
14 min., sd., b&w, 16 mm.
Order no. TF 1–471.
Summary: Describes the triode tube as evolved from the diode tube, its structure and capacities, and the circuits in which the tube functions. The functions of the grid, grid bias, the screen and suppressor grids, and multipurpose tubes are indicated.
Borrow from AF. *Buy from* NF.

Valley of the Tennessee (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.
29 min., sd., b&w, 16 mm.
Summary: Shows the need for conservation in the Tennessee River Valley, the origin of the TVA, the building of the dams, and the influence of the TVA on the lives of the people in the Valley.
Buy from NF.

Value engineering: More ships for less money (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films.
13 min., sd., color, 16 mm.
Order no. MN 8488.
Summary: Shows how the U. S. Navy Value engineering program works and explains its key techniques: Get the facts; know the costs; determine the function; do creative thinking; and evaluate by comparison. Examples are given of results of Value engineering.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Valve types and reversing gears (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
62 fr., b&w, 35 mm.
Order no. SCG 176–a, formerly SG 2313.
Summary: Explains eccentric action, the construction and functions of various valves and gears, and how the reversing of an engine is accomplished.
Buy from NF.

Vandenberg: aerospace Air Force base (*Motion picture*) U. S. Dept. of the Air Force, 1961.

14 min., sd., color, 16 mm.

Order no. SFP 1067.

Summary: Film report on Vandenberg Air Force Base, home of the U. S. Air Force First Ballistic Missile Division, pointing out accomplishments in aerospace operations within six years. Depicts the intensive training required for the crews that will man the missile bases and highlights the research and testing conducted to insure the operational capability of missile weapon systems.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Vaned elbow: Layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

29 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. MN 2339–a.

Supplementary filmstrip of same title also available.

Summary: Shows how to make a vaned elbow for a ship's ventilation system; illustrates development of the rough sketch, parallel lines, templates, elbow and vane sections, and the final welding.

Borrow from Navy. *Buy from* NF.

Vaned elbow: Layout and fabrication (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

60 fr., b&w, 35 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. SN 2339–n.

Supplements the motion picture of the same title.

Borrow from Navy. *Buy from* NF.

Vanguard I (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

11 min., sd., b&w, 16 mm.

Summary: Describes the successful launching of Vanguard I satellite and the beginning of its orbit, steps in satellite assembly and launching, and the importance of the contributions which satellites will make to the world's scientific knowledge of the universe. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Vapor compression distilling units: Chemical cleaning (*Motion picture*) U. S. Dept. of the Navy, 1958.

10 min., sd., b&w, 16 mm.

Order no. MN 8264–b.

Summary: Shows the fittings, hoses, and the tank necessary for the cleaning operation. Demonstrates how to mix the cleaning solution; how to establish the circulation of cleaner through the unit; and how to flush the cleaner from the unit and resume normal operations.

Borrow from Navy. *Buy from* NF.

Vapor compression distilling units: How they work and how to operate them (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

22 min., sd., b&w, 16 mm.

Order no. MN 8264–a.

Summary: Describes how a vapor compression distilling unit works by considering it as three systems: flow, heat-transfer, and control. Shows by animated diagrams the flow through a unit and what occurs at important points, where the heat comes from and where it transfers in the boiling and condensation process, and the devices that reveal operating conditions and control operation.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The Varanger–Dora Weems incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

4 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202–o.

Summary: Collision of the Varanger and the Dora Weems; and the causes therefor.

Borrow from Navy. *Buy from* NF.

Variola (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Portuguese version of Vaccinate against smallpox.

Summary: Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.

Buy from NF. *Cleared for tv.*

Various methods of fixation for the control of fractured jaws (*Motion picture*) U. S. Veterans Administration, 1958.

45 min., sd., color, 16 mm.

Summary: Describes the known methods for the reduction of fractured jaw bones, including various traction methods of moving the bones and the constant fixation of splinting of bones.

Borrow from VA. *Buy from* NF.

Vascularization of the liver
see The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver

Vectors (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

12 min., sd., b&w, 16 mm. (Radio technician training series)

Order no. MN 1540–n.

Summary: Explains vectors, changes in angle or magnitude, how vectors are plotted, and how the resultant is found.

Borrow from Navy. *Buy from* NF.

Vehicle loading and stowing (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

15 min., sd., b&w, 16 mm. (Military stevedoring series, no. 6)

Order no. TF 55–1119.

Summary: Shows how to load jeeps, trucks, tanks, and locomotives aboard ship; how to use nets, straps, and dunnage for lifting; and soap, grease, and blocks in stowing vehicles.

Borrow from Army *Buy from* NF.

Vera Cruz (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.

19 min., sd., color, 16 mm.

Summary: Tourist view of Mexico's province of Vera Cruz.

Buy from NF.

Verniers (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

19 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 4)

Order no. OE 4.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Principle of the vernier scale and its application to a micrometer and to inside and outside calipers; how to use and read vernier micrometers and vernier calipers.

Buy from NF.

Verniers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

37 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 4)

Order no. OE 4–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Vertical drill series
see Machine shop work series. Operations on the drill press. Vertical drill

Vertical welds, steel (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.
41 fr., b&w, 35 mm.
Order no. SN 130.
Summary: An aircraft machine shop demonstration film which shows the principles of torch manipulation making vertical welds on steel.
Borrow from Navy. *Buy from* NF.

Vesicular diseases of animals (*Motion picture*) U. S. Dept. of Agriculture, 1951.
11 min., sd., color, 16 mm.
Revision of 1944 motion picture of the same title.
Summary: Shows typical condition of hogs affected with vesicular stomatitis. Photographed at the Animal Disease Station, Agricultural Research Center, Beltsville, Md. Revision contains current methods used in detecting the disease.
Rent from DA film libraries.

Vesicular exanthema (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1954.
16 min., sd., color, 16 mm.
Summary: The story of the outbreak of vesicular exanthema in 1952, its rapid spread, and measures taken to control it. Shows disease symptoms; depicts differential diagnostic field tests; and reviews federal, state, and industry cooperation in eradication efforts.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The veteran becomes a farmer (*Motion picture*) U. S. Office of Education, 1946. Produced by W. A. Palmer & Co.
28 min., sd., b&w, 16 mm.
Order no. OE 398.
With instructor's manual.
Summary: How individuals and groups in a farm community cooperate in giving help and counsel to a veteran wishing to become a farmer.
Buy from NF.

Veterinary food inspection service. Part 2: Theater of operations (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., b&w, 16 mm.
Order no. FB 8–228.
Summary: Methods used by the U. S. Army in the inspection of meat from its arrival at overseas ports until its issue to front-line troops.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Veterinary surveillance inspection of perishable subsistence (*Filmstrip*) U. S. Dept. of the Army, 1958.
68 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 21 min.
Order no. SFS 8–242.
Summary: Explains the purpose of veterinary surveillance of Government-owned perishable subsistence and the procedures used in the various classes of inspection made at critical points during the shipment, storage, and issue of chilled and frozen foods.
Borrow from Army.

Vibration problems in the design of shipboard electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1956.
19 min., sd., b&w, 16 mm.
Order no. MN 8681–b.
Summary: Demonstrates how breakage can occur when equipment chassis are not protected against vibration and shock. Shows ways in which vibration can be eliminated by the use of bands, screws, and braces placed in different ways on a chassis.
Borrow from Navy. *Buy from* NF.

Vicious circle (*Motion picture*) U. S. Dept. of Agriculture, 1954.
21 min., sd., color, 16 mm.
Summary: Discusses, through a dramatized story of a young farmer, the avian type of tuberculosis and its destructiveness among chickens and hogs. Indicates the difficulty of detecting the disease in poultry flocks, and recommends prevention and control measures including separation of poultry and swine.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

The victory division: 24th Infantry (*Motion picture*) U. S. Dept. of the Army, 1950.
17 min., sd., b&w, 16 mm.
Order no. MF 130–7722.
Summary: History of the 24th Infantry Division in the Pacific area during World War II.
Borrow from Army. *Buy from* NF.

Victory in the air (*Motion picture*) U. S. Army Air Forces, 1945.
15 min., sd., b&w, 16 mm.
Order no. SFP 187.
Summary: Explains the uses made by the Army Air Forces of materials produced by civilian workers during World War II. Stresses the importance of continuous research and development.
Borrow from AF. *Cleared for tv.*

Vigil of Jenny Fay (*Motion picture*) U. S. Public Health Service, 1962. Made by Cravan Film Corp.
17 min., sd., b&w, 16 mm.
Order no. MIS 649.
Summary: Discusses a study conducted by the U. S. Public Health Service in Kansas City to determine how dental care can be made available to the chronically ill in nursing homes and in private homes.
Borrow from PHS. *Buy from* NF. *Cleared for tv.*

La viruela (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Spanish version of Vaccinate against smallpox.
Summary: Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.
Buy from NF. *Cleared for tv.*

Vision in the forest (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., color, 16 mm.
Summary: Portrays a family enjoying a camping trip in the forest. One of the children wanders away, sees a Smokey Bear poster come to life, and hurries back to camp with the news that Smokey is a good friend of the forest and its wild creatures. Shows how to prevent fires from getting started in forests.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Visual day signals (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202–1.
Summary: Shows international day signals for ships not under command, inland day signals, and various other signals.
Borrow from Navy. *Buy from* NF.

Visual flight rules (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., color, 16 mm.
Order no. MN 6914.
Summary: Explains and illustrates Civil Air Regulations, part 60, as they apply to naval aviators while flying under VFR clearances.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Visualización de un objeto (*Motion picture*) U. S. Office of Education [1959?]

9 min., sd., b&w, 16 mm.
Order no. OE 51-Sp

Spanish version of the 1945 motion picture entitled Visualizing an object.

Prepared in cooperation with U. S. Agency for International Development.

Summary: Explains how a blueprint is developed, pointing out how dimensions are shown by different views, and how special information is indicated on a blueprint.

Buy from NF.

Visualizing an object (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

9 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 1)
Order no. OE 51.
Supplemented by filmstrip of the same title.
With instructor's manual.

Summary: How a blueprint is developed; how dimensions are shown by different views; and how special information is indicated on a blueprint.

Buy from NF.

Visualizing an object (*Filmstrip*) U. S. Office of Education, 1946. Made by Ray-Bell Films.

39 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 1)
Order no. OE 51-fs.
Supplements motion picture of the same title.
With instructor's manual.

Buy from NF.

Visualizing an object
see also
Visualización de un objeto

Vital signs. Part 1: Cardinal symptoms (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

21 min., sd., b&w, 16 mm. (Care of patients by hospital corpsmen)
Order no. MN 8211-a.

Summary: Explains temperature, pulse, respiration, and blood pressure by means of live action, animation, art work, and sound effects; tells how these vital signs present a picture of the condition of the body.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Vital signs. Part 2: Taking temperature, pulse, and respiration (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

20 min., sd., b&w, 16 mm. (Care of patients by hospital corpsmen)
Order no. MN 8211-b.

Summary: Demonstrates, in live action, the techniques of taking temperature (oral, rectal, axillary), pulse, and respiration of patients with a variety of conditions. Shows equipment needed and includes sanitary procedures and charting.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Vital signs. Part 3: Taking blood pressure (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

11 min., sd., b&w, 16 mm. (Care of patients by hospital corpsmen)
Order no. MN 8211-c.

Summary: Explains and demonstrates, in live action, the principles of taking systolic and diastolic pressures and the procedures followed with patients. Uses sound effects to show the significant changes in pulse tone.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

32 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 406.
Supplemented by filmstrip of same title.
With instructor's manual.

Summary: Describes the physiology of the respiratory, heat regulatory, and circulatory systems and their inter-relationships; shows how to ascertain and record the vital signs—temperature, pulse, respiration, and blood pressure.

Buy from NF.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

81 fr., b&w, 35 mm. (Nursing series)
Order no. OE 406-fs.
With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Vivax malaria (*Filmstrip*) U. S. Public Health Service, 1948.

76 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 17 min.
Order no. 5-043.

Summary: Explains the distribution, clinical manifestations, diagnosis, treatment, and prevention of vivax malaria.

Borrow from PHS.

Voice of a choir (*Motion picture*) U. S. Dept. of State, 1951. Made by Pathescope Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

24 min., sd., b&w, 16 mm.

Summary: Tells the story of the Bach festival held annually each spring in Bethlehem, Pa., and records a performance of the Bach Choir composed of many members of the community. Prepared for overseas use.

Buy from NF.

Voice of the forest (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the state foresters of the Northeastern States. Released by U. S. Dept. of Agriculture, 1961.

25 min., sd., color, 16 mm.

Summary: A story about a boy at summer camp who bored with camp routine, adventures into the forest, talks with the birds and animals, gets lost in the woods, sees the destructiveness of a forest fire, and returns to camp with a better understanding and appreciation of forests and forestry.

Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

Volatile corrosion inhibitors (*Filmstrip*) **U. S. Dept. of the Army, 1960.**

60 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 38-45

Summary: Describes the use and application of volatile corrosion inhibitors to provide convenient and effective corrosion protection of metal items for the Armed Forces.

Borrow from Army.

Volt ohmmeter operation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

15 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-s.

Summary: Shows how to operate a volt ohmmeter (Weston and other types) to measure ohms and volts.

Borrow from Navy. *Buy from* NF.

Voltaic cell, dry cell, and storage battery (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

18 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 3)
Order no. TF 11-1187.

Summary: Explains the principles of a voltaic cell, a dry cell, and a storage battery.

Borrow from Army. *Buy from* NF.

Volumetric flasks
see Chemical techniques: Volumetric flasks

The volunteer fireman (*Motion picture*) U. S. Dept. of Agriculture, 1962.

19 min., sd., color, 16 mm.
Summary: A training film designed to assist volunteer fire departments suppress woods fires. Shows techniques of using hand tools and backpack pumps; demonstrates the important work of mopping up, cleaning and storing tools, reporting, and providing prevention followup.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Vowels and glides
see Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides

Voyage to recovery
see
Rehabilitation: Voyage to recovery

W

Wanted: Plant pest detectives (*Motion picture*) U. S. Dept. of Agriculture, 1961.

15 min., sd., color, 16 mm.
Summary: Explains that the public's assistance is needed in helping track down dangerous foreign plant pests that may have entered our country. Reviews the pest problem with résumés on such invaders as boll weevil of cotton, spotted alfalfa aphid, European corn borer, white pine blister rust, stem rust of grain, and golden nematode of potato. Illustrates what State and Federal governments are doing on pest detection to protect American agriculture.
Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

The War for Independence
see American history I, lecture 5: The War for Independence

The War of 1812 (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Creative Arts Studio.
20 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–c.
Summary: Presents, through still pictures and using the filmograph technique, the events leading up to the War of 1812, and the role of the U. S. Navy in this war. Illustrates the origins of such phrases as "Old Ironsides," "Don't give up the ship," and "We have met the enemy and they are ours." Contains a sequence on the writing of the Star Spangled Banner.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

War of Independence, 1775–1783 (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Creative Arts Studio.
24 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–a.
Summary: Presents through still pictures, using the filmograph technique, the general movements of the Continental Army and Navy from 1775 to 1783. Depicts the founding of the Navy, the Battle of Valcour Island, John Paul Jones, and Washington's strategy at Yorktown.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Ward care of psychotic patients (*Motion picture*) U. S. War Dept., 1945.
44 min., sd., b&w, 16 mm.
Order no. TF 8–2000.
Summary: Discusses the duties of ward attendants and methods of caring for psychotic patients in closed wards.
Borrow from Army.

Warehousing series. Part 1: Storage procedures (*Motion picture*) U. S. Dept. of the Army, 1958.
21 min., sd., b&w, 16 mm.
Order no. GF 10–36.
Summary: Explains the primary functions, basic resources, and mode of operation of the military depot. Describes the various types of special and all-purpose warehouse storage facilities and emphasizes the objectives of military storage of supplies—full and orderly use of space; saving of time and labor; ready accessibility of items; protection of supplies. Discusses the duties of depot personnel, the material handling equipment used, and the capacity and commodity factors as related to the operation of a depot.
Borrow from Army.

Warehousing series. Part. 2: Aisle arrangement (*Motion picture*) U. S. Dept. of the Army, 1958.
9 min., sd., b&w, 16 mm.
Order no. GF 10–37.
Summary: Explains the importance, purpose, and characteristics of aisles used in military storage areas. Salient teaching points cover main aisles, cross aisles, personnel aisles, and service aisles.
Borrow from Army.

Warehousing series. Part 3: Bins, racks and box pallets (*Motion picture*) U. S. Dept. of the Army, 1958.
11 min., sd., b&w, 16 mm.
Order no. GF 10–38.
Summary: Describes the features and use of the three storage aids designed to facilitate warehouse activity—bins, racks, and box pallets. Explains the location, construction, and purpose of bins in a storage area, and the organization and operation of a retail bin area, including the features and layout of tiers and sections, the stocking of items in bins, supply procedures, and replenishing bins. Discusses the purpose and construction of racks and box pallets and the types of items that are stored in each.
Borrow from Army.

Warehousing series. Part 5: Receiving and shipping of supplies (*Motion picture*) U. S. Dept. of the Army, 1958.
23 min., sd., b&w, 16 mm.
Order no. GF 10–45.
Summary: Discusses the basic principles and operations involved in receiving and shipping supplies in a military depot, including straight line flow, continuous flow, efficient handling, and concentration of operations. Explains that the receiving operation—planning, spotting the carrier, unloading, and moving supplies to storage area—is the reversal of the receiving procedure—planning, spotting the carrier, removing supplies, and loading the carrier.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

The washdown countermeasures: Preventing radiological contamination of ships exposed to underwater atomic attack (*Motion picture*) U. S. Dept. of the Navy, 1953.
20 min., sd., color, 16 mm.
Order no. MN 9221.
Summary: Shows tests of a method in which a ship's own pumps operate a semi-automatic, installed wash-down system for the removal of radiological contamination. Explains the various stages of testing as conducted on a destroyer, a cruiser, and an aircraft carrier.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Washington and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1952.
26 min., sd., color, 16 mm.
Order no. 246.
Summary: Shows scenes of land, water, minerals, and forests, and the diversified agriculture and industry based upon them.
Borrow from BM. *Cleared for tv.*

The Washington mosque (*Motion picture*) U. S. Information Agency, 1957. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.
16 min., sd., color, 16 mm.
Summary: Describes the Washington mosque and the religious and cultural activities of the Islamic Center in the capital city of the United States. Prepared for overseas use.
Buy from NF. *Cleared for tv.* *Prior authorization required.*

The Watauga story (*Motion picture*) U. S. Dept. of Agriculture, 1962.

10 min., sd., color, 16 mm.
Summary: An untitled kinescope on the rural area development program of Watauga County, North Carolina.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Watch out for witchweed (*Motion picture*) U. S. Dept. of Agriculture, 1963.

14 min., sd., color, 16 mm.
Summary: Discusses the parasite witchweed, a red-blossomed plant that looks harmless but is capable of devastating whole crops of corn, sugarcane, sorghum, rice, wheat, oats, barley, and more than 60 species of grass and sedge. Shows methods of eradication already developed.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Water (*Motion picture*) U. S. Dept. of Agriculture, 1948.
11 min., sd., b&w, 16 mm. (School films series, no. 2)
With teacher's guide.
Summary: Explains that water is necessary to all life; shows agricultural conditions during droughts and during floods on uncovered land; makes the point that too much rain can be as destructive as too little rain; and emphasizes the need for soil conservation practices.
Rent from DA Film Libraries. *Buy from* NF.

Water (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

27 min., sd., b&w, 16 mm. (The home nursing story, no. 8)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses conserving water in a disaster emergency, water purification, and a civil defense sanitation kit.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

Water for a nation
see
Water for farm and city

Water for farm and city (*Motion picture*) U. S. Dept. of Agriculture, 1959.
14 min., sd., b&w, 16 mm.
Revision of 1949 film with the title Water for a nation.
Summary: Portrays the effect of water upon the land and its people. Shows areas which never have enough water; areas which have more water than they can use; those where water comes all at once; and those where nature helps control a year-around supply. Presents case studies of farmers and ranchers from Maryland to Washington who join forces with nature to help sustal nus all.
Rent from DA film libraries. *Cleared for tv.*

Water for Fort Hood (*Motion picture*) U. S. Army Engineers, 1956.
9 min., sd., color, 16 mm.
Summary: Presents an example of the two-fold (war and peace) services of the Army's Corps of Engineers; shows the construction of a water supply system which links a civil works project (Belton Reservoir) with a military installation (Ft. Hood, Texas)
Borrow from Eng. *Cleared for tv.*

Water for the valley (*Motion picture*) U. S. Bureau of Reclamation, 1961.

28 min., sd., color, 16 mm.
Summary: Describes the Central Valley Federal reclamation project in California, depicting the early beginnings of irrigation in the valley and showing the need for large scale conservation and utilization measures. Illustrates the manner in which the project fulfills these needs by conserving surplus winter snowmelt and flood waters in the northern part of the valley and transporting the surplus water to the water-short southern part of the valley.

Borrow from BR. *Buy from* BGW. *Cleared for tv.*

Water for the West (*Motion picture*) U. S. Dept. of Agriculture, 1957.
25 min., sd., color, 16 mm.
Summary: Explains how forest and watershed scientists at experiment stations are working to find ways to increase the yield of useful water without damaging the soil and other resources of the national forests.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Water, friend or enemy (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Summary: Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

Water, friend or enemy
see also
Agua, amiga o enemiga
A água: nosso amigo ou inimigo

Water in the West (*Motion picture*) U. S. Bureau of Reclamation, 1951.
36 min., sd., b&w, 16 mm.
Summary: Describes the need for and the history of water resource developments in the West to transform the desert into a productive region.
Borrow from BR. *Buy from* NF.

Water on the fire (*Motion picture*) U. S. Dept. of Agriculture, 1952.
27 min., sd., color, 16 mm.
Summary: Demonstrates effective and economical ways to use water in extinguishing various types of burning fuels in the forests of eastern United States.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Water on the land (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Summary: Explains the values of irrigation in farming and demonstrates some simple irrigation methods.
Buy from NF. *Cleared for tv.*

Water on the land
see also
Irrigue a terra
Regando la tierra

Water purification: Diatomite filter system, installation, operation, and maintenance (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.
17 min., sd., color, 16 mm.
Order no. MN 7489–b.
Summary: Describes the installation, operation, and maintenance of diatomite filters, including the equipment and the preparation of the chemicals. Also shows the "batch method" of pretreating raw water for high turbidity using soda ash and alum.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Water purification, introduction (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.
10 min., sd., color, 16 mm.
Order no. MN 7489–a.
Summary: Emphasizes the importance of disinfecting water; explains the various sources of water and the steps required to provide a safe water supply; and mentions briefly diatomite filters and distilling equipment.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Water purification, part 2: Chlorine demand, arsenic, and nitrogen mustard tests (*Motion picture*) U. S. Dept. of the Army, 1961.

11 min., sd., color, 16 mm.
Order no. TF 5-3111

Summary: Describes the uses of the chlorine demand, arsenic, and nitrogen mustard tests to provide safe drinking water for troops in the field.

Borrow from Army.

Water purification: Vapor compression distillation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

15 min., sd., color, 16 mm.
Order no. MN 7480-c.

Summary: Shows how fresh water is obtained from sea water, including installation of the distillation unit, the process (by animation) of converting sea water to a distillate, and methods of cleaning the evaporator.

Borrow from Navy. Buy from NF. Cleared for tv.

Water wisdom (*Motion picture*) U. S. Tennessee Valley Authority, 1953. Made by Southern Educational Film Production Service.

20 min., sd., color, 16 mm.

Summary: Illustrates through dramatized incidents the results of carelessness by swimmers and fishermen on inland lakes, particularly those made from the damming of streams and rivers in the Tennessee Valley.

Borrow from TVA. Cleared for tv.

Waters of Coweeta (*Motion picture*) U. S. Dept. of Agriculture, 1953.

20 min., sd., color, 16 mm.

Summary: Illustrates and explains the research being carried on at the hydrologic laboratory in the Coweeta Experimental Forest in the Nantahala Mountains of North Carolina, with particular emphasis upon the relationship between watershed practices and the flow of water in streams.

Rent from DA Film Libraries. Buy from NF. Cleared for tv.

Waters of destiny (*Motion picture*) U. S. Army Engineers, 1959.

28 min., sd., color, 16 mm.

Summary: Portrays the story of the giant flood-control project in central and southern Florida.

Borrow from Eng. Cleared for tv.

Watershed wildlife (*Motion picture*) U. S. Dept. of Agriculture, 1958.

21 min., sd., color, 16 mm.

Summary: Explains how U. S. Marines, California fire fighting personnel, and Indian forest fire fighters cooperated with the Forest Service in controlling the 1955 fire in the Los Padres National Forest in California, which destroyed its vegetation; and emphasizes the need for immediate reseeding to prevent floods.

Rent from DA Film Libraries. Buy from NF. Cleared for tv.

Watertight covers (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

57 fr., b&w, 35 mm. (Shipbuilding skills series. Sheetmetal work)
Order no. SN 2339-o.

Supplements the motion pictures with the titles: Watertight cover; part 1, Layout and fabrication; part 2, Assembly.

Summary: Shows the construction of a type F round watertight cover, and the welding and assembly of the lid and collar, locking device, dogs, hinge, screen, and gasket.

Borrow from Navy. Buy from NF.

Watertight covers. Part 1: Layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. MN 2339-b.

Supplementary filmstrip with title Watertight covers, also available.

Summary: Shows how to construct a type F round watertight cover; the overall fabrication of lid, hinge, collar, gasket and combing; and the complete cover ready for assembly.

Borrow from Navy. Buy from NF.

Watertight covers. Part 2: Assembly (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. MN 2339-c.

Supplementary filmstrip with title Watertight covers, also available.

Summary: How to weld and assemble combing, lid and collar, locking device, dogs, hinge, screen, and rubber gasket.

Borrow from Navy. Buy from NF.

Wave propagation and antenna theory, part 1 (*Filmstrip*) U. S. Dept. of the Army, 1955.

72 fr., b&w, 35 mm. and 2 discs (2 s. each), 16 in., 33⅓ rpm, 42 min.
Order no. SFS 11-142.

Summary: Discusses the radio antenna, with particular attention given to the theory governing its functioning in carrying out efficient radiation; and the feeder in the antenna system, the power line carrying the electrical energy to the antenna.

Borrow from Army. Buy from NF. Cleared for tv.

Wave propagation and antenna theory, part 2 (*Filmstrip*) U. S. Dept. of the Army, 1955.

39 fr., b&w, 35 mm. and 2 discs (3 s.), 16 in., 33⅓ rpm, 30 min.
Order no. SFS 11-145.

Summary: Explains how antennas receive electro-magnetic waves and the effect of polarization on reception; the uses and types of mobile unit antennas in tactical operations and fixed station antennas in strategic operations.

Borrow from Army. Buy from NF. Cleared for tv.

Waves at work (*Motion picture*) U. S. Dept. of the Navy, 1953.

17 min., sd., color, 16 mm.
Order no. MN 7413.

Summary: Shows enlisted Waves performing various duties, including those of hospital corpsman, dental technician, radioman, air controlman, storekeeper, and tradesman.

Borrow from Navy. Cleared for tv.

"Waxey": Tips on the fine art of waxing (*Filmstrip*) U. S. Veterans Administration, 1956.

2 filmstrips (84 fr.), b&w, 35 mm.
Part 1, 34 fr.; pt. 2, 50 fr.

Summary: Uses cartoon characters to illustrate methods of waxing floors in hospitals.

Borrow from VA. Buy from NF.

We saw it happen (*Motion picture*) U. S. Dept. of the Air Force, 1954.

58 min., sd., b&w, 16 mm.
Order no. SFP 355.

Summary: A documented film history of the development of aviation and of the U. S. Air Force.

Borrow from AF. Cleared for tv.

We share this land (*Motion picture*) U. S. Dept. of Agriculture, 1962.

14 min., sd., color, 16 mm.

Summary: Explains how conservation practices can bring beneficial wildlife back to the farm. Includes scenes of birds and animals found on the farm.

Borrow from DA. Buy from DA-MPS. Cleared for tv.

We show the way (*Motion picture*) U. S. Dept. of Agriculture, 1962.

15 min., sd., color, 16 mm.

Summary: Describes the Federal-State Cooperative Extension Service which brings to American families the research findings and knowhow of the land grant colleges and the U. S. Dept. of Agriculture.

Borrow from DA. Buy from DA-MPS. Cleared for tv.

We, the Japanese people (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

25 min., sd., b&w, 16 mm.

Summary: Shows some of the democratic changes the Japanese people have adopted since 1945. Prepared for use in occupied areas, particularly in Japan.

Buy from NF. Cleared for tv. Prior authorization required.

Wearing of the uniform (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. TF 19–1485.
Summary: Shows how smart appearance while wearing the uniform and good personal conduct of the individual soldier affect his well-being.

Borrow from Army. *Buy from* NF.

Weather and radar (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1954.
17 min., sd., b&w, 16 mm. (Aerology series)
Order no. MN 119–1.
Summary: Illustrates some of the operational values to be gained by using radar in locating and identifying weather disturbances, including cold fronts, warm fronts, thunderstorms, typhoons, and hurricanes. Characteristics echo patterns on the PPI (planned-position-indicator) scope are shown.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Weather duties (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
6 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG 5380–c.
Summary: Shows weather duties aboard a U. S. Coast Guard ocean station vessel and their relationship to oceanic air travel, including, by animation, how a plane follows a USCG weather-front warning and avoids a storm; radar tracking of weather balloons; and radio transmission of weather data to the U. S. Weather Bureau.

Buy from NF. *Cleared for tv.*

Weather: Fog (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.
46 fr., b&w, 35 mm.
Order no. FS 1–2004.
Summary: Describes the nature, types, and causes of fog.

Borrow from AF. *Buy from* NF.

Weather: Friend or foe (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFSR 129.
Summary: Explains the use of weather data as a means of facilitating the efficient execution of military operations. Describes weather data compilation and evaluation by U. S. Air Force and U. S. Navy weather services in cooperation with the U. S. Weather Bureau.
Borrow from Army.

Weather map symbols (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
87 fr., b&w, 35 mm. (Navy quiz, no. 44)
Order no. SN 2542–ar.
Summary: Illustrates 4 sets of 18 questions each on weather conditions and symbols.
Borrow from Navy.

Weathermen of the sea (*Motion picture*) U. S. Coast Guard, 1950.
14 min., sd., b&w, 16 mm.
Summary: Describes the functions of and activities aboard a U. S. Coast Guard cutter on weather patrol duty in the North Atlantic.
Borrow from CG. *Cleared for tv.*

Weatherproofing Baca County (*Motion picture*) U. S. Dept. of Agriculture, 1963.

6 min., sd., color, 16 mm.
Summary: Depicts man's never-ending fight against drought, dust, and disaster on the Great Plains. Shows how farmers and ranchers in Baca County, Colorado, through low-level, weed-killing flights by airplanes and stubble mulching operations on the ground, are protecting the land against the erosive force of the wind.

Borrow from DA. *Buy from* DA–MPS. *Cleared for tv.*

Wedge resection for benign gastric ulcer (*Motion picture*) U. S. Veterans Administration, 1959.
21 min., sd., color, 16 mm.
Summary: Describes the surgical technique of a wedge resection for a benign gastric ulcer on the lesser curvature, including the type of abdominal incision utilized and the manner in which the stomach is mobilized, showing the actual extent of resection and the type of repair of the defect in the stomach wall. The gross specimen is seen, and there is a brief discussion of why this type of limited procedure for a benign lesion of the stomach is recommended.
Borrow from VA.

Weed control on irrigation systems (*Motion picture*) U. S. Bureau of Reclamation, 1952.
30 min., sd., color, 16 mm.
Summary: Shows the problems caused by weeds on the banks and in the channels of canals and drains of irrigation systems, and methods to be used in controlling weeds in order to reduce operating problems, maintenance costs, and water losses.

Borrow from BR. *Buy from* NF.

Weigh-a-day-a month (*Motion picture*) U. S. Dept. of Agriculture, 1957.
4 min., sd., b&w, 16 mm.
Summary: Describes the weigh-a-day-a month plan, developed to enable farmers to spot non-producers in their herds; and shows how county extension offices help the farmer in maintaining his records. For television use.
Borrow from DA–MPS. *Buy from* DA. *Cleared for tv.*

Weight control—The Oopsies (*Filmstrip*) U. S. Dept. of Agriculture, 1960.

22 fr., color, 35 mm.
Order no. C–74
Summary: Uses a story about two art work characters who discover that they have allowed themselves to get overweight to explain why people want to reduce, and what can help them the most.
——— Another issue. double fr.

Buy from Photo Lab.

Welding aluminum tubes with sheets (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.
33 fr., b&w, 35 mm.
Order no. SN 145.
Summary: Shows the necessary equipment; describes some of the peculiarities of aluminum tube to a flat sheet.

Borrow from Navy. *Buy from* NF.

Welding procedures series. Oxyacetylene welding
see
Oxy-acetylene welding: Light metal

Welding procedures series. Oxygen cutting
see
Manual cutting a bevel: Freehand
Manual cutting a shape: Freehand guided
Manual cutting to a line: Freehand

Welding procedures series. Testing
see
The guided bend test

We're a team (*Motion picture*) U. S. Dept. of the Air Force, 1956.
23 min., sd., b&w, 16 mm.
Order no. SFP 385.
Summary: Explains that although a B–57 jet bomber is operated by a two-man crew, its flight is made possible by a team of personnel in various departments including maintenance, supply, armament, electronics, weather, control tower, etc., and points out that cooks, clerks, chaplains, medics, nurses, WAFs, librarians, and switchboard operators are also part of the Air Force team.
Borrow from AF. *Cleared for tv.*

West Point—education for leadership (*Motion picture*) U. S. Dept. of the Army, 1963.

26 min., sd., color, 16 mm.
Order no. SF 20–104
Summary: Describes the scope and standards of the academic, military, and physical education provided for cadets at West Point. Includes scenes of classrooms, staff conferences, and extracurricular activities in order to highlight the range of subjects, teaching techniques, student counselings, and modern laboratory facilities available to cadets.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

West Virginia and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

32 min., sd., color, 16 mm.
Order no. 241.
Summary: Gives a panoramic view of West Virginia, its agriculture, industry, and scenic attractions, with particular emphasis upon its mineral resources and steel mills.
Borrow from BM. *Cleared for tv.*

What causes current flow: EMF (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

3 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8016–f.
Summary: Shows an outside force converted into electrical force of attraction; points out that in a circuit the electrical forces of attraction and repulsion taken together are called electromotive force (EMF)
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

What controls current flow: Resistance (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

4 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8016–g.
Summary: Shows the symbol for resistance to current flow, the atomic basis for resistance in materials, and the effect of the use of a resistor in a circuit.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

What goes up----- (*Motion picture*) U. S. Dept. of the Army, 1960.

22 min., sd., color, 16 mm.
Order no. MF 45–9501.
Summary: Explains the necessity for an effective safety system to control missile flight and the resultant establishment at White Sands Proving Ground, New Mexico, of the surveillance branch of the missile program. Depicts the development of special types of safety equipment, as well as effective methods of plotting and controlling missile flight, predicting point of impact, and cutting-down "bad" missiles.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

What is a farm worth? (*Motion picture*) U. S. Farm Credit Administration in cooperation with the University of Illinois, 1957. Made by U. S. Dept. of Agriculture.

19 min., sd., color, 16 mm.
Revision of the 1947 motion picture of the same title.
Summary: Explains the factors to be considered in appraising a farm, illustrated through the experiences of a young couple interested in buying a farm in Illinois.
Rent from DA film libraries. *Buy from* DA. *Cleared for tv.*

What is diabetes? (*Filmstrip*) U. S. Public Health Service, 1950.

47 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 1)
Order no. 5–141.
Summary: Explains in simple terms the nature of diabetes and its control through diet and the use of insulin
Borrow from PHS. *Buy from* NF.

What is disease? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Produced by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Health for the Americas series)
Summary: Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.
Buy from NF. *Cleared for tv. Prior authorization required.*

What is disease?
see also
O que e a doença?
Que es enfermedad?

What puts a 4–H girl "in"? (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

34 double fr., color, 35 mm.
Order no. C–14.
Summary: Shows how a 4–H girl meets the problems of proper fitting and selection of dresses and accessories, and gives suggestions on improving personal appearance.
Buy from PhotoLab.

What we face in southern Asia (*Motion picture.* U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

42 min., sd., b&w, 16 mm.
Order no. OC 3.
Summary: U. S. Supreme Court Justice William O. Douglas explains to an officers' conference the political and economic problems in southern Asia and their significance to the U. S. He answers questions on the effect Nehru's departure from the political scene would have on India's policy of neutrality; how to resolve differences between Nehru and SEATO; whether other nations will join SEATO; which of the various Asian programs is considered the most desirable; what can be done to support land reform movements in the South Asian countries; what the dangers are to Burma and Thailand; what can be done to promote better understanding of our intention by the Asian people; and what and where the greatest strength is in South Asia.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

What's my score? (*Motion picture*) U. S. Veterans Administration, 1947. Made by U. S. Dept. of Agriculture.

20 min., sd., b&w, 16 mm.
Summary: Demonstrates the ability of paraplegics to handle jobs in competition with non-handicapped veterans. Shows the basic steps in training a paraplegic and gives examples of veterans with other handicaps performing various jobs.
Borrow from VA.

Wheat kernel classes and varieties (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

43 double fr., color, 35 mm.
Order no. C–11.
Summary: Shows some characteristics of the head and kernel of wheat, with special reference to the hard red winter class.
Buy from PhotoLab.

When in need (*Motion picture*) U. S. Dept. of the Air Force, 1962.

16 min., sd., color, 16 mm.
Order no. SFP 1111
Summary: Explains the mission of the Air Force Aid Society, the official emergency relief organization of the Air Force. Cites several cases that demonstrate how the society renders aid to families struck by disaster, sickness, or financial emergency.
Borrow from AF.

When it's your turn at the meat counter (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

28 double fr., color, 35 mm.
Order no. C–16.
With lecture notes.
Revision of the 1951 filmstrip of the same title.
Summary: Gives information to assist consumers in purchasing beef, shows the various Federal grades of beef sold at retail, and suggests how beef can best be used by grade and cut.
Buy from PhotoLab.

When work is done (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

9 min., sd., b&w, 16 mm.

Summary: How Sylacauga, Ala., a small town crowded with war plant workers in 1944, solved its housing and recreation problems.

Buy from NF.

Whistle signals for approaching steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

17 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-j.

Summary: Shows by animation the rules for using 1, 2, and 3 blast signals, the danger signal, and the bend signal in various approaching situations.

Borrow from Navy. *Buy from* NF.

The whites of their eyes (*Motion picture*) U. S. Dept. of the Army, 1956.

26 min., sd., b&w, 16 mm.

Order no. MF 20-8591.

Summary: Discusses the conquest of strength in reserve; reviews crises that threatened national security from the time of the Revolutionary War to the Korean conflict; and stresses the proposition that a trained army with mobile striking power should be supported by a substantial and prepared army reserve.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

The whooping crane (*Motion picture*) U. S. Fish and Wildlife Service, 1958.

14 min., sd., color, 16 mm.

Summary: Presents the life story of the whooping cranes, and their protection by the U. S. Fish and Wildlife Service, State governments, and private organizations.

Borrow from FWS. *Cleared for tv.*

Who's handicapped (*Motion picture*) U. S. Dept. of the Air Force, 1957.

22 min., sd., b&w, 16 mm.

Order no. SFP 397.

Summary: Chief of Staff Nathan F. Twining introduces this film concerning the thousands of physicaly handicapped employees whose skills contribute daily to Air Force progress. Explains procedures for placing these persons in jobs.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Who's too old (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1952.

14 min., sd., b&w, 16 mm.

Order no. MN 7424.

Summary: Dramatized story of a veteran who wants to join the Naval Reserve but whose wife objects, saying that he was in the last war, that he is too old, and that they cannot afford it. He reasons with her and persuades her to change her mind.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Why engines are governed (*Motion picture*) U. S. Dept. of the Army, 1955.

5 min., sd., b&w, 16 mm.

Order no. TF 55-2184.

Summary: Explains that the governor on military engines limits the speed of the engine at the point where it develops maximum horsepower. With the aid of a chart, followed by a demonstration on a GMC engine, defines the relationship between horsepower and speed. and shows how the governor on the engine prevents a waste of power.

Borrow from Army. *Buy from* NF. *Cleared for tv.*

Why NATO (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

27 min., sd., b&w, 16 mm.

Order no. AFIF 88.

Summary: Describes the purpose and development of NATO (North Atlantic Treaty Organization) from its inception to the summit meeting held in December 1957 at the NATO headquarters in Paris.

Borrow from Army.

The why of automation lubrication (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1952.

24 min., sd., color, 16 mm.

Order no. 247.

Summary: Explains, principally through animation, the need for lubrication of automobiles and the uses of various oils and greases.

Borrow from BM. *Cleared for tv.*

Why we fight series
see
The battle of Britain
The Nazis strike

Wild fruits for soil conservation (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

36 fr., b&w, 35 mm.

Order no. 668.

With lecture notes.

Summary: Shows how to use eroded or odd areas of wasteland for the production of edible fruits.

Buy from PhotoLab.

Wilderness encampment (*Motion picture*) U. S. Dept. of Agriculture, 1961.

28 min., sd., color, 16 mm.

Summary: A documentary film about the Girl Scouts all-States encampment, showing senior Girl Scouts from 41 States and seven other countries as they establish a base camp by Todd Lake in the Deschutes National Forest in Oregon. Follows them as they backpack into the Three Sisters Wilderness area where they spend five days independent of adult supervision and develop their own creative enjoyment of the outdoors.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Wilderness trail (*Motion picture*) U. S. Dept. of Agriculture, 1961.

15 min., sd., color, 16 mm.

Summary: Portrays an actual pack trip into the rugged and scenic Bridger Wilder-area in the Bridger National Forest in Wyoming. Shows how wilderness areas in national forests are protected and kept in their natural state for the benefit and enjoyment of all who wish to take advantage of this kind of recreation.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Wildlife and soil conservation (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

58 fr., b&w, 35 mm.

Order no. 670.

With lecture notes.

Summary: Shows how farmers can increase and protect wildlife by improving their land pattern, providing travel lanes, and growing suitable vegetation on wasteland.

Buy from PhotoLab.

Wildlife and the human touch (*Motion picture*) U. S. Dept. of Agriculture, 1952.

19 min., sd., color, 16 mm.

Summary: Pictures characteristic forest animals in their native habitat in the National forests, and explains what the U. S. Forest Service is doing to protect the animals and their habitat.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Wildlife and timber (*Motion picture*) U. S. Dept. of Agriculture, 1957.

6 min., sd., color, 16 mm.

Summary: Explains how Federal, State, and private agencies work together to maintain a scientific relationship between wildlife and timber in the Ocala National Forest in Florida.

Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Wildlife management through soil conservation in the northeast (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

50 fr., b&w, 35 mm.

Order no. 562.

With lecture notes.

Summary: Shows how engineering practices and wise planting save soil and make otherwise useless land a refuge and source of feed for wildlife.

Buy from PhotoLab.

Will for peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.
33 min., sd., b&w, 16 mm.
Summary: Contrasts the post-war activities of the United States with those of Russia; shows how the United States has worked toward peace through the UN, UNRRA, the Marshall Plan, etc., while Russia has concentrated its activities upon preparations for war. Prepared for use in occupied areas.
Buy from NF. *Cleared for tv. Prior authorization required.*

William Tell '61 (*Motion picture*) U. S. Dept. of the Air Force, 1962.
12 min., sd., color, 16 mm.
Order no. FR 196
Summary: Covers the 1961 William Tell competition at Tyndall Air Force Base, where USAF interceptor squadrons and weapon loading teams display their skills. Also shows how participation in this event creates realistic air warfare conditions.
Borrow from AF. *Cleared for tv.*

The Wilson Dam School (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.
20 min., sd., b&w, 16 mm.
Summary: Photographic survey of the activities and curriculum of an elementary school during the time, 1933–41, that it was operated by the Tennessee Valley Authority under the guidance of the Alabama State Dept. of Education. Shows activities of the children with emphasis upon the full development of each child.
Borrow from TVA. *Cleared for tv.*

Winches and booms (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
18 min., sd., b&w, 16 mm. (Military stevedoring series, no. 3)
Order no. TF 55–1093.
Summary: Explains the construction and operation of winches; and shows how a signalman uses various hand motions in directing winch operators.
Borrow from Army. *Buy from* NF.

Wind and the navigator: In-flight analysis (*Motion picture*) U. S. Dept. of the Air Force, 1957.
8 min., sd., color, 16 mm.
Order no. TF 1–5206c.
Summary: Illustrates the navigator's duties while in flight, including determination of wind changes, drift causes, and flight path corrections.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Wind and the navigator: Jet streams (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., color, 16 mm.
Order no. TF 1–5206d.
Summary: Explains the high velocity wind currents, called jet streams, and shows how aircraft navigators save fuel and flight time through use of these forces. Discusses altitude velocity, seasonal changes, direction, and turbulence.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Wind and the navigator: Pre-flight planning (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., color, 16 mm.
Order no. TF 1–5206b.
Summary: Demonstrates how a wind flow chart, using weather data values and scales, is prepared, and shows how a flight patch is determined.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Wind and the navigator: Wind theory (*Moton picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., color, 16 mm.
Order no. TF 1–5206a.
Summary: Discusses the theory of wind forces and patterns, pressure gradient force, pressure surfaces, coriolis force, geostrophic winds, friction and centrifugal force.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Wind erosion control through tillage and ridge planting (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
37 double fr., color, 35 mm.
Order no. C–63.
With lecture notes.
Summary: A film report of studies on wind erosion control on irrigated lands through tillage and ridge planting, as demonstrated at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
Buy from PhotoLab.

Wind erosion control under irrigation (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
40 double fr., color, 35 mm.
Order no. C–62.
With lecture notes.
Summary: A film report of studies on wind erosion control on irrigated lands as demonstrated at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
Buy from PhotoLab.

Wind erosion; its control on the southern Great Plains (*Filmstrip*) U. S. Dept. of Agriculture, 1937.
45 fr., b&w, 35 mm.
Order no. 456.
With lecture notes.
Summary: Shows causes and effects of wind erosion, and how to prevent and control such erosion through conservation practices.
Buy from PhotoLab.

Wind-tunnel investigation at low speeds of flight characteristics of a sweptback-wing jet-transport airplane model equipped with an external-flow jet-augmented slotted flap (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
7 min., si., color, 16 mm.
Order no. L–207.
Summary: Deals with a wind-tunnel investigation at low speeds made to determine the flight characteristics of a model of a sweptback-wing jet-transport airplane equipped with an external-flow jet-augmented slotted flap. The model was flown over a life-coefficient range up to 12.5. For lift-coefficients higher than about 6, a downwardly directed nose jet was used to supplement the trimming power of the horizontal tail. For technical personnel to be used with NACA Technical note 4255: Wind-tunnel investigation at low speeds of flight characteristics of a sweptback-wing jet-transport airplane model equipped with an external-flow jet augmented slotted flap.
Borrow from NASA.

Wind-tunnel tests of opening characteristics of various baseball-type hemispherical parachutes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
15 min., si., b&w, 16 mm.
Summary: Shows opening characteristics of parachutes in wind-tunnel tests conducted by the NACA. Incomplete. For technical personnel, to be used only with NACA Technical note 1869: Wind-tunnel investigation of the opening characteristics, drag, and stability of several hemispherical parachutes.
Borrow from NASA.

Window clerk meets the public (*Motion picture*) U. S. Post Office Dept., 1954. Made by U. S. Dept. of Agriculture.
20 min., sd., b&w, 16 mm.
Summary: Demonstrates the importance of window courtesy and efficient service to the mailing public, and describes various techniques which may be used. For training postal clerks.
Borrow from PO. *Cleared for tv.*

Wing assembly: The bow tip (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
24 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 6)
Order no. OE 284.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to fit the bow tip strip to the leading edge strip; make the spar tip joint; install the ribs; shape the bow tip; apply and glue the bow tip skins; and varnish the surface.
Buy from NF.

Wing assembly: The bow tip (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

36 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 6)

Order no. OE 284-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Wing assembly: The inboard panel (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

19 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 5)

Order no. OE 300.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to install subassemblies in a jig; apply and glue the skins; apply and remove pressure strips; finish the outside surface; and inspect the completed assembly.

Buy from NF.

Wing assembly: The inboard panel (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

35 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 5)

Order no. OE 300-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Wing assembly: The nose section (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

20 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 4)

Order no. OE 299.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to position the main spar in the jig; install the webbed ribs, junction rib, regular ribs, and leading edge strip; apply and glue the skins; and finish the surface of the nose section.

Buy from NF.

Wing assembly: The nose section (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

44 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 4)

Order no. OE 299-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Winged scourge (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm.

Summary: Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.

Borrow from PHS. *Buy from* NF. *Cleared for tv. Prior authorization required.*

Winged scourge
see also
Malaria; guerra ao mosquito
La pesta alada

Winged victory on foot: 43d Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

14 min., sd., b&w, 16 mm.

Order no. MF 130-7553.

Summary: History of the U. S. 43d Infantry Division from its activation in 1941 throughout World War II.

Borrow from Army. *Buy from* NF.

Winged wizardry (*Motion picture*) U. S. Dept. of the Air Force, 1957.

3 min., sd., b&w, 16 mm.

Order no. SFP 413.

Summary: Scenes of a quartet of jet pilots in F-84's accomplishing the cork-screw roll, the loop, and the single cloverleaf.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Wings for Roger Windsock (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Jam Handy Organization.

14 min., sd., b&w, 16 mm.

Order no. SFP 270.

Summary: An animated cartoon story of a boy who dreams of piloting early airplanes and of the exciting adventures of an airplane pilot—saving lives, putting out forest fires—and comes to realize how much aviation has changed the world.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Wings over Brazil (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

14 min., sd., b&w, 16 mm.

Summary: Shows progress in aviation made by Brazil during World War II.

Buy from NF.

Winter cover crops and crop residues for wind erosion control (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

48 double fr., color, 35 mm.

Order no. C-65.

With lecture notes.

Summary: A film report of studies on wind erosion control on irrigated lands, showing the use of winter cover crops and crop residues at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.

Buy from PhotoLab.

Winter Olympics (*Motion picture*) U. S. Dept. of Agriculture, 1961.

24 min., sd., color, 16 mm.

Summary: Shows how the Forest Service cooperated with the Olympic Committee before and during the 8th Winter Olympic Games at Squaw Valley, California, within the Tahoe National Forest, in avalanche prediction and control work, in preparation of the area, and in provision for snow rangers to insure the safety of both participants and spectators. Includes coverage of the games.

Credits: Narrator, Lowell Thomas.

Rent from DA film libraries. *Buy from* NF. *Cleared for tv.*

Winterthur: An adventure in the past (*Motion picture*) U. S. Information Agency, 1960. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.

18 min., sd., color, 16 mm.

Summary: A filmed tour of the Winterthur Museum near Wilmington, Delaware, which houses the du Pont collection of American interior and decorative arts of the 17th, 18th, and early 19th centuries. Shows how early American homes were furnished as well as this country's rich tradition of craftsmanship stemming from the cultural heritage acquired from early European immigrants and American tradesmen in the Orient. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Wire drag: A method of hydrographic surveying (*Motion picture*) U. S. Coast and Geodetic Survey, 1954.

15 min., sd., color, 16 mm.

Summary: Explains the importance of accurate charts of harbor areas and of possible underwater obstructions, and describes the U. S. Coast and Geodetic Survey method of using a wire drag towed by two vessels to locate such obstructions.

Borrow from CGS.

Wire rope terminal connections (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

31 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)
Order no. MN 2340-g.

Summary: Demonstrates how to make and test the following terminal connections—clips. eye splices, and metallic splices.

Borrow from Navy. *Buy from* NF.

Wire sizes and voltage drop (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

13 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 4])
Order no. OE 372.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Factors influencing the ability of conductors to carry electron flow; measurement of wire sizes; wire area in circular mils; voltage drop; and Ohm's law.

Buy from NF.

Wire sizes and voltage drop (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

26 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 4])
Order no. OE 372-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Wirebound wood boxes and crates (*Filmstrip*) U. S. Dept. of the Army, 1961.

59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 38-73

Summary: Describes the features, use, ordering, and handling of wirebound wood boxes and crates. Places emphasis on their advantages in terms of economy, efficiency, and versatility for packing and storage.

Borrow from Army.

Wiring old buildings with armored cable (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

22 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 8])
Order no. OE 379.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: How to install outlet boxes; cut and strip armor from cable; attach cable to outlet boxes; run armored cable; repair openings in walls; and join conductors at ceiling outlet.

Buy from NF.

Wiring old buildings with armored cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

38 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 8])
Order no. OE 379-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Wiring series
see Electrical work series. Wiring.

Wiring telltale panel (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 6)
Order no. OE 115.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Purpose of telltale units; how to strip cable; form and lace conductors on a jig; strip the ends of conductors and put on lugs; and hook up conductors and test the connections.

Buy from NF.

Wiring telltale panel (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

49 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 6)
Order no. OE 115-fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Wise parents, healthy babies (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

11 min., sd., color, 16 mm.

Summary: Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

Buy from NF. *Cleared for tv.*

Wise parents, healthy babies
see also
Conselhos para as mães
Cuidado de la madre

With hand and heart (*Motion picture*) U. S. Information Agency, 1960. Made in Korea. Released for public educational use in the United States through U. S. Office of Education, 1961.

31 min., sd., b&w, 16 mm.

Summary: Portrays the story of a Korean amputee, a veteran of the Korean War, and his rehabilitation. Discusses the public service work of Philanthropic organiations such as the Amputee Center at Taejon, which is supported by the American Church World Service, and the Rural Institute, operated by the Union Christian Service Center for the training of rural leaders.

Buy from NF. *Cleared for tv. Prior authorization required.*

With malice toward some (*Motion picture*) U. S. Dept. of the Army, 1957.

10 min., sd., b&w, 16 mm.
Order no. TF 16-2511.

Summary: Dramatized story illustrating the concept of prejudice. Made for use by Army chaplains.

Borrow from Army.

With the Marines: Chosin to Hungnam (*Motion picture*) U. S. Dept. of the Navy, 1951.

24 min., sd., b&w, 16 mm.
Order no. MN 7314.

Summary: Documentary film record of the withdrawal from the Chosin Reservoir area and the naval evacuation operation at Hungnam.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Within the town (*Motion picture*) U. S. Veterans Administration, 1952.

24 min., sd., b&w, 16 mm.

Summary: Explains the volunteer service programs being carried on in Veterans Administration hospitals, and stresses the importance of these services as a supplement to the regular hospital program.

Borrow from VA. *Buy from* NF. *Cleared for tv.*

Women in defense (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

11 min., sd., b&w, 16 mm.

Summary: Shows how women in 1942 contributed to the war programs in science, industry, and the voluntary services.

Buy from NF.

The wonderful world of food (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

24 min., sd., b&w, 16 mm. (The home nursing story, no. 3)
Based on the American Red Cross course for the care of the sick and injured.
With workbook.
Summary: Discusses the importance of nutrition and of a well-balanced menu in maintaining health. Shows how to stockpile food and water for emergency shelter.
Credits: Narration, Mason Adams, Jay Barney, Shepperd Strudwick, Bob Wilson.
Buy from Red Cross. *Cleared for tv.*

Wood fabrication series
see Aircraft work series. Wood frabrication

Wood preservation: Control of marine organisms (*Motion picture*) U. S. Dept. of the Navy, 1959.

21 min., sd., color, 16 mm.
Order no. MN 8167–d.
Summary: Describes corrective measures for effective control of damage by marine organisms.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Wood preservation: Control of wood destroying organisms (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.
24 min., sd., color, 16 mm.
Order no. MN 8167–b.
Summary: Outlines methods which can be employed to control wood destroying organisms—physical control by correcting conditions which enable fungi or insects to attack wood; chemical control by killing the organisms by means of toxic chemicals or preventing access to wood by creating a barrier of poisoned soil; and wood preservation through treating wood by various processes to make it unavailable as a food source for insects or fungi.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Wood preservation: Effects of marine organisms (*Motion picture*) U. S. Dept. of the Navy, 1959.

20 min., sd., color, 16 mm.
Order no. MN 8167–c.
Summary: Shows the habits, characteristics and economic significance of marine organisms in waterfront structures.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

Wood preservation: Inspection for wood destroying organisms (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.
18 min., sd., color, 16 mm.
Order no. MN 8167–a.
Summary: Describes problems faced by the Navy in maintaining its wooden structures. Explains that wood does not naturally decay, but is destroyed by living organisms—fungi and insects—and shows how to inspect for and identify these wood-destroying organisms.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

The woodcock (*Motion picture*) U. S. Fish and Wildlife Service, 1953.
14 min., sd., color, 16 mm.
Summary: Explains the conservation program of management and utilization of the woodcock, one of the game birds common to the eastern United States.
Borrow from FWS. *Cleared for tv.*

Woodland manners (*Motion picture*) U. S. Dept. of Agriculture, 1952.
20 min., sd., color, 16 mm.
Summary: Shows that it is important for persons who visit the National forests to observe the necessary sanitary measures, be careful with fire, and leave picnic spots in good condition.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Words as a team
see Practical English usage I, lecture 3 [–4]: Words as a team

Work horse of the western front: 30th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.
18 min., sd., b&w, 16 mm.
Order no. MF 130–7585.
Summary: History of the activities of the 30th Infantry Division during World Wars I and II. Shows combat scenes in Normandy, St. Lo, Belgium, and Holland.
Borrow from Army.

Work of shipfitter and shipwright series
see Shipbuilding skills series. Work of shipfitter and shipwright

Work simplification (*Motion picture*) U. S. Army Air Forces, 1945.
19 min., sd., b&w, 16 mm.
Order no. TF 1–3742.
Summary: Shows methods of eliminating unnecessary clerical duplication and of developing more effective use of available manpower.
Borrow from AF. *Cleared for tv.*

Work simplification in the office (*Motion picture*) U. S. Dept. of the Army, 1954.
25 min., sd., b&w, 16 mm.
Order no. TF 29–1737.
Summary: Explains the five tools used in work simplification: work distribution chart, flow process chart, work count, motion economy analyses, and layout studies. Illustrates specific examples of work simplification ideas that have been put into effect in various offices.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Work simplification in the shop (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., b&w, 16 mm.
Order no. TF 20–1738.
Summary: Defines the work simplification program as it applies to the Army, in both the military and civilian phases. Analyzes work simplification tools including work distribution chart, work count, flow process chart, motion economy, and work layout studies.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Working for better public health through recognition of feelings (*Motion picture*) U. S. Public Health Service, 1953.
25 min., sd., b&w, 16 mm.
Order no. M 8.
Summary: Shows synchronous treatment of interviews typical of both acceptable and unacceptable human relations situations in public health work, discusses the problems involved, and advances the theory that it is better to uncover and discuss feelings than to concentrate entirely upon the problem itself.
Borrow from PHS. *Buy from* NF.

Working for the U. S. A. (*Motion picture*) U. S. Dept. of the Army, 1957.
14 min., sd., b&w, 16 mm.
Order no. MF 61–8810.
Summary: Explains the nature and significance of Federal civil service employment—how positions are obtained, wage scales, opportunities for advancement, and fringe benefits. Gives particular attention to the requirements for qualified clerical, technical, and professional employees in the various departments.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Working through college (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
Summary: Story of a college student and the assistance provided him by a student employment adviser in finding a job which helps meet his expenses and enables him to acquire practical experience in the field he has chosen as a career. Prepared for use in occupied areas.
Buy from NF. Cleared for tv. Prior authorization required.

Working together (*Motion picture*) U. S. Public Health Service, 1962.
20 min., sd., color, 16 mm.
Order no. M–528
Summary: Describes the experiences of several hospitals and nursing homes which have worked out mutual agreements for the cooperative care of the chronically ill and aged, pointing out why such a cooperative effort is beneficial to the hospital, nursing home, and patient.
Borrow from PHS. *Buy from* NF.

Working with other supervisors (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
8 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 153.
With instructor's manual.
Summary: Shows how a supervisor fails because he does not recognize the importance of working harmoniously with other people, particularly with his fellow supervisors.
Buy from NF.

Working with other supervisors
see also
Relaciones entre supervisores

The world at war (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
44 min., sd., b&w, 16 mm.
Summary: Traces the trend toward war during the decade, 1931–1941, showing the events in Asia and Europe from the Japanese invasion of Manchuria in 1931 to the bombing of Pearl Harbor.
Buy from NF.

World in a schoolroom (*Motion picture*) U. S. Dept. of the Army, 1951. Made by International Movie Producers Service. Released for public educational use through U. S. Office of Education, 1951.
17 min., sd., b&w, 16 mm.
Summary: Portrays citizens of Manhasset, L. I., N. Y., visiting the school to demonstrate their skills so that students may see the application of principles and techniques taught them by instructors. Prepared for use in occupied areas.
Buy from NF. Cleared for tv. Prior authorization required.

World War II and after
see American history II, lecture 14: World War II and after

The world we want—African version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.
33 min., sd., b&w, 16 mm.
Summary: Shows the 1959 New York Herald Tribune Youth Forum in which students from 35 countries participated in activities provided for the young visitors at Sarah Lawrence College, Williamsburg, Washington, and New York City. Emphasizes the mutual understanding and friendships developed. Contains a special section showing a student from Ghana as a guest in American homes and his contacts with contemporaries of other nations.
Buy from NF. Cleared for tv. Prior authorization required.

The world we want—Far East version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.
34 min., sd., b&w, 16 mm.
Summary: Shows the 1959 New York Herald Tribune Youth Forum in which students from 35 countries participated in activities provided for the young visitors at Sarah Lawrence College, Williamsburg, Washington, and New York City. Emphasizes the mutual understanding and friendships developed. Contains a special section showing a student from Thailand as a guest in American homes and his contacts with contemporaries of other nations.
Buy from NF. Cleared for tv. Prior authorization required.

The world we want—Near East version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.
35 min., sd., b&w, 16 mm.
Summary: Shows the 1959 New York Herald Tribune Youth Forum in which students from 35 countries participated in activities provided for the young visitors at Sarah Lawrence College, Williamsburg, Washington, and New York City. Emphasizes the mutual understanding and friendships developed. Contains a special section showing a student from Iran as a guest in American homes and his contacts with contemporaries of other nations.
Buy from NF. Cleared for tv. Prior authorization required.

World wide naval operations in peace and war, 1815–1860 (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Creative Arts Studio.
23 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–d.
Summary: Describes contributions to naval science, such as the development of steam power, the screw propeller, improved ordnance, oceanography, and exploration; the Navy's role in protecting American citizens and promoting trade throughout the world; and the Navy's support of military operations in Florida, Mexico, and California.
Borrow from Navy. *Buy from* NF. *Cleared for tv.*

World-wide physiological data transmission (*Motion picture*) U. S. Navy Dept., 1958.
15 min., sd., b&w, 16 mm.
Order no. MED 2–58.
Summary: Demonstrates the use of an electronic system devised at the Naval Medical Research Institute for the transmission of physiological information over great distances. Shows how special transmitting equipment worn by the pilot of an aircraft sends out data indicating his physiological condition, and how these data are received, recorded, and presented for immediate use or later study by medical officers. Suggests future uses of the system, transmission of physiological data from manned outer-space vehicles, and long-distance diagnostic consultation including the use of ordinary telephone lines in the circuit.
Borrow from Navy.

Worms in your muscles (*Filmstrip*) U. S. Public Health Service, 1948.
52 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. 5–095.
With film guide.
Adapted from the filmstrip Spread and prevention of trichinosis.
Summary: Discusses the life cycle of *Trichinella spiralis*; the medical implications of trichinosis; and control measures and consumer precautions.
Borrow from PHS. *Buy from* NF.

Worship in life (*Motion picture*) U. S. Dept. of the Army, 1959.
7 min., sd., b&w, 16 mm.
Order no. TF 16–2745.
Summary: Dramatized story illustrating the concept of worship. Made for use of Army chaplains.
Borrow from Army.

Wound rotor controllers (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 4)

Order no. OE 391.

With instructor's manual. Supplementary filmstrip of same title also available.

Summary: Wound rotor motor principles; operation of a faceplate controller, drum-type nonreversing controller, drum-type reversing controller, and automatic magnetic starter for a wound rotor motor.

Buy from NF.

Wound rotor controllers (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

40 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 4)

Order no. OE 391–fs.

With instructor's manual. Supplements motion picture of same title.

Buy from NF.

Wounds of the face and jaw (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., color, 16 mm. (Early care of plastic surgical cases series)

Order no. MN 2715–b.

Summary: Shows a complete operation including wiring the jawbone, sewing the inside of the mouth, reworking the nose, face, and respiratory system. For medical personnel.

Borrow from Navy. *Buy from* NF.

Wounds of the hand (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., color, 16 mm. (Early care of plastic surgical cases series)

Order no. MN 2715–a.

Summary: Shows the parts and structure of the hand. Explains the desirability of primary closure of wounds in combat areas with elective surgery and plastic surgery reserved for special hospitals in the United States. For medical personnel.

Borrow from Navy. *Buy from* NF.

Wrenches (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

19 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 1)

Order no. TF 9–2026.

Summary: Explains the uses and advantages of various wrenches, and shows the damage which may result from incorrect and dangerous practices in using them.

Borrow from Army. *Buy from* NF.

Writing clear sentences
see Practical English usage I, lecture 10 [-12]:
Writing clear sentences

Wyoming and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

30 min., sd., color, 16 mm.

Order no. 234.

Summary: Panoramic treatment of the mineral resources, agriculture, forestry, stock raising, industry, parks and monuments, and scenic attractions of Wyoming. Emphasizes the production of petroleum and natural gas.

Borrow from BM. *Cleared for tv.*

XYZ

X minus 80 days (*Motion picture*) U. S. Dept. of the Army, 1958.

30 min., sd., color, 16 mm.

Order no. Project 16875.

Summary: A pictorial review of events during the 80 days immediately preceding the launching of the satellite Explorer on January 31, 1958.

Borrow from Army. *Buy from* NF.

X-ray inspection (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

21 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 173.

Supplemented by filmstrip with same title.

With instructor's manual.

Summary: Use of radiographs in industry; generation of X-rays in the X-ray tube; wave nature of X-rays; procedure in making radiographs; and interpretation of radiographs for defects in metals.

Buy from NF.

X-ray inspection (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

54 fr., b&w, 35 mm. (Engineering series)

Order no. OE 173–fs.

Supplements motion picture of the same title.

With instructor's manual.

Buy from NF.

The X–17 story (*Motion picture*) U. S. Dept. of the Air Force, 1958.

22 min., sd., color, 16 mm.

Order no. SFP 635.

Summary: Traces the development of the X–17, a three-stage test missile designed to solve the re-entry problem, from drawing board to its test at a Cape Canaveral launching pad.

Borrow from AF. *Buy from* NF. *Cleared for tv.*

Xenon tetrafluoride (*Motion picture*) U. S. Atomic Energy Commission, 1962.

6 min., sd., color, 16 mm.

Summary: Explains how chemists at Argonne National Laboratory have succeeded in making xenon combine chemically with fluorine, thereby opening a new area for the study of chemical bonding. Shows preparation of the compound in the laboratory under special conditions of temperature and pressure. Discusses future experiments on forming compounds with rare gases.

Borrow from AEC. *Buy from* CP. *Cleared for tv.*

Yankee do (*Motion picture*) U. S. Dept. of the Navy, 1962.

19 min., sd., color, 16 mm.

Order no. MN 9587.

Summary: Explains the importance of the attack carrier and describes activities of the men of the Navy and Marine Corps in maintaining and operating these carriers.

Borrow from Navy. *Buy from* NF. *Cleared for tv.*

A year in America (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

30 min., sd., b&w, 16 mm.

Summary: Portrays Japanese exchange students studying at an American university. Prepared for use in occupied areas, particularly in Japan.

Buy from NF. *Cleared for tv.* *Prior authorization required.*

Year of birth (*Motion picture*) U. S. Public Health Service, 1958.

28 min., sd., b&w, 16 mm.
Order no. MIS-650

Summary: Depicts various facts about pregnancy, delivery, and the first year of life. Discusses research being done at the National Institute of Neurological Diseases and Blindness for the prevention and control of cerebral palsy and other neurological diseases in infants.

Borrow from PHS. Buy from NF.

You and your job (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

10 min., sd., b&w, 16 mm. (Small milk plant operation)

Summary: Emphasizes and illustrates the concept that trained, responsible men are essential in the processing of safe, pasteurized milk. For milk handlers and sanitarians.

Borrow from PHS. Buy from NF.

You can hear again (*Motion picture*) U. S. Veterans Administration, 1949.

30 min., sd., b&w, 16 mm.

Summary: Dramatized story of a veteran who finally recognizes his defective hearing and, through the aural rehabilitation program of the Veterans Administration, learns to compensate for his hearing difficulty and to lead a normal life.

Borrow from VA. Buy from NF. Cleared for tv.

You can lick TB (*Motion picture*) U. S. Veterans Administration, 1949.

18 min., sd., b&w, 16 mm.

Summary: Presents the dramatized story of a typical tuberculosis patient in a Veterans Administration hospital. Stresses the importance of rest, readjustment to a less strenuous life, and taking an interest in the VA rehabilitation program in order to become fitted for work within one's physical capacities.

Borrow from VA. Buy from NF. Cleared for tv.

You in Great Britain (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

34 min., sd., b&w, 16 mm.
Order no. AFIF 56.

Summary: Describes highlights of British history, life in Britain today, and the customs and qualities of the British people.

Borrow from Army. Buy from NF. Cleared for tv.

You in Japan (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFIF 78.

Summary: Presents a pictorial tour of major Japanese cities and outlying areas, and explains political, economic, social, religious, and military aspects of Japan.

Borrow from Army. Buy from NF. Cleared for tv.

Young Uruguay (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm.

Summary: Shows the young people of Uruguay at home, play, and school; and emphasizes progressive steps being made in education.

Buy from NF.

Your Air Force in action (*Motion picture*) U. S. Dept. of the Air Force, 1950.

14 min., sd., b&w, 16 mm.
Order no. SFP 256.

Summary: Scenes of the U. S. Air Force in Korea providing airlift facilities and air support for United Nations troops, evacuating civilian personnel, transporting troops and supplies, supporting ground troops, and carrying out strafing and bombing missions.

Borrow from AF. Buy from NF. Cleared for tv.

Your Army in disaster relief (*Motion picture*) U. S. Dept. of the Army, 1949.

18 min., sd., b&w, 16 mm.
Order no. MF 19-7546.

Summary: Shows how the Army aids stricken communities: its work following the explosion at Texas City, Texas, and in snowbound and flooded areas.

Borrow from Army. Buy from NF.

Your audience, bless 'em (*Motion picture*) U. S. Dept. of Agriculture, 1959.

11 min., sd., color, 16 mm.

Summary: Portrays, using fantasy and actual incidents, the problem of the information man, the communicator, the salesman, and the showman in finding, holding, and influencing an audience. Dramatizes the "gimmick"—what it is and how to use it effectively.

Rent from DA Film Libraries. Cleared for tv.

Your bright tomorrow (*Motion picture*) U. S. Dept. of the Army, 1957.

20 min., sd., color, 16 mm.
Order no. MF 12-8765.

Summary: Describes the opportunities in the U. S. Army Medical Corps f[illegible]omen college graduates to train as dieticians, physical therapis[illegible]nd occupational therapists.

Borro[illegible]om Army.

Your Congressman at work (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

22 min., sd., color, 16 mm.
Originally released under the title The man on the Hill.
Order no. AFIF 79.

Summary: Presents a typical day in the life of a member of Congress, and urges all members of the Armed Forces to become familiar with the issues and candidates in forthcoming elections, and to vote.

Borrow from Army. Buy from NF. Cleared for tv.

Your defense (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.
Order no. AFSM 557.

Summary: Describes the preparedness of the armed services in terms of new weapons and equipment, the military assistance program for allies and friendly nations, research and development, construction and maintenance of military quarters and hospitals, and the radar early warning system. Includes an introduction by Secretary of Defense Neil H. McElroy.

Borrow from Army. Cleared for tv.

Your driving habits (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

15 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 2)
Order no. OE 487.
With instructor's manual. Supplemented by filmstrip of same title.

Summary: Elements of good driving; how to start the engine; use the clutch and shift gears; use brakes; drive on curves, in mountainous country, and through snow and mud; and park a car.

Buy from NF.

Your driving habits (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

40 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 2)
Order no. OE 487-fs.
Supplements motion picture of the same title.
With instructor's manual.

Buy from NF.

Your enemy: Grasshopper
see
Grasshoppers can be controlled

Your health center (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Summary: Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.
Buy from NF. *Cleared for tv.*

Your health center
see also
El centro de salubridad
A policlínica da sua cidade

Your job and the psychiatric patient. Part 1: The psychiatric patient (*Filmstrip*) U. S. Veterans Administration, 1947.
56 fr., b&w, 35 mm.
Similar version for V. A. contact representatives released in 1946 with title The difficult ones. Part 1: Psychiatric problems met by the contact representative.
Summary: Reviews through the use of cartoons and captions some of the more common psychiatric behavior patterns in veterans. Directed toward V. A. hospital attendants who deal with neuropsychiatric patients.
Borrow from VA.

Your job and the psychiatric patient. Part 1: The psychiatric patient
see also
The difficult ones. Part 1: Psychiatric problems met by the contact representative

Your job and the psychiatric patient. Part 2: How the patient may affect the attendant (*Filmstrip*) U. S. Veterans Administration, 1947.
36 fr., b&w, 35 mm.
Similar version for V. A. contact representatives released in 1946 with title The difficult ones. Part 2: Their effect upon the contact representatives.
Summary: Explains through the use of cartoons and captions some of the reactions of V. A. hospital attendants to neurotic and psychotic behavior of patients, and urges attendants to regard such behavior as symptoms of illness.
Borrow from VA.

Your job and the psychiatric patient. Part 2: How the patient may affect the attendant
see also
The difficult ones. Part 2: Their effect on the contact representatives

Your job and the psychiatric patient. Part 3: The attendant helps the patient (*Filmstrip*) U. S. Veterans Administration, 1947.
45 fr., b&w, 35 mm.
Similar version for V. A. contact representatives released in 1946 with title The difficult ones. Part 3: Getting help for the veterans with emotional problems.
Summary: Suggests, through the use of cartoons and captions, ways in which V. A. hospital attendants should conduct themselves in working with neuropsychiatric patients.
Borrow from VA.

Your job and the psychiatric patient. Part 3: The attendant helps the patient
see also
The difficult ones. Part 3: Getting help for the veterans with emotional problems

Your job in the Signal Corps (*Motion picture*) U. S. Dept. of the Army, 1951.
20 min., sd., b&w, 16 mm.
Order no. MF 11-7808.
Summary: Describes the role of the U. S. Army Signal Corps in time of war and peace, including its responsibilities for all types of communications, land mines, submarine cables, and radio networks.
Borrow from Army. *Cleared for tv.*

Your legal status in the Republic of Germany (*Motion picture*) U. S. Dept. of Defense, 1959.
50 min., sd., b&w, 16 mm.
Order no. AFIF 92.
Summary: Outlines the legal status of American service men and their families in West Germany. Dramatizes various situations, including a hit and run accident, to show the legal implications that can arise. Emphasizes the importance of abiding by the Status of forces agreement governing the rights, obligations, and conduct of members of a foreign force on the territory of a NATO (North Atlantic Treaty Organization) nation.
Borrow from Army. *Buy from* NF. *Cleared for tv.*

Your Marine Band from then to now (*Motion picture*) U. S. Marine Corps, 1954. Made by U. S. Dept. of the Navy.
27 min., sd., b&w, 16 mm.
Order no. MH 8058.
Summary: Presents a history of the U. S. Marine Band narrated by the present (1954) leader of the Band, Lt. Col. Wm. F. Santelmann, with the Band playing arrangements of well-known songs of the past on instruments of the period in which the song first became known.
Borrow from Navy. *Cleared for tv.*

Your meat inspection service (*Motion picture*) U. S. Dept. of Agriculture, 1956.
28 min., sd., color, 16 mm.
Summary: Explains the work of the Federal meat inspection service; shows meat inspectors working in stockyards and processing plants, examining live animals and carcasses, and testing meat products in laboratories; and emphasizes the importance of the "stamp of approval" on meat products.
Rent from DA Film Libraries. *Buy from* NF. *Cleared for tv.*

Your money's worth (*Motion picture*) Federal Reserve Bank of Richmond, 1953. Made by Byron, inc.
38 min., sd., color, 16 mm.
Summary: Explains the nature and uses of money, the economic disorders that bring about changes in the value of the dollar, and measures that can be taken to prevent or treat these disorders.
Borrow from FRB.

Your National Archives (*Motion picture*) U. S. National Archives, 1956. Made by U. S. Dept. of the Air Force.
19 min., sd., color, 16 mm.
Summary: Portrays and explains the functions of the National Archives of the U. S., including preservation of Federal records (documents, publications, maps, recordings, photographs, films, etc.), exhibition of important historical documents, reference service pertaining to its materials, and reproduction upon request of these materials on microfilm and as photostat copies.
Borrow from Archives.

Your National Guard (*Motion picture*) U. S. Dept. of the Army, 1951.
15 min., sd., b&w, 16 mm.
Order no. MF 7875.
Summary: Traces the history and activities of the National Guard from 1772 to the present time, and points out the importance of its citizen soldiers.
Borrow from Army. *Buy from* NF.

Your personal affairs officer (*Motion picture*) U. S. Dept. of the Air Force, 1962.
22 min., sd., b&w, 16 mm.
Order no. SFP 1092
Summary: Portrays the role of the personal affairs officer and points out the benefits of the personal and family service program available to military personnel and their dependents. Shows how the personal affairs officer assists servicemen and their families during illness, accident, or death; acts as counselor in insurance and retirement planning; assists in overseas transfer preparations; coordinates savings-bonds campaigns; and acts as the commander's representative in briefing newly arrived personnel.
Borrow from AF. *Buy from* NF. *Cleared for tv.*

Your proudest duty (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1951.

26 min., sd., b&w, 16 mm.

Order no. TF 10–1473.

Summary: Explains the duties and responsibilities of military personnel escorting bodies of war dead to their families for reinterment.

Borrow from Army. *Buy from* NF.

Your safety belt (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

45 fr., b&w, 35 mm.

Order no. SN 1259.

Summary: Stresses the importance of having the safety belt properly fastened, shows some of the reasons causing it to come loose, and gives precautions to be observed in the use of the belt. Discusses army, navy, and commercial belts.

Borrow from Navy.

Your soil bank (*Motion picture*) U. S. Dept. of Agriculture, 1957.

5 min., sd., b&w, 16 mm.

Summary: Shows how farmers can obtain help from and information about the Soil bank program. For television use.

Borrow from DA–MPS. *Buy from* DA. *Cleared for tv.*

Your soil, your future (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Summary: Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

Buy from NF. *Cleared for tv.*

Your soil, your future
see also
Conservação do solo
Conservación de la tierra fértil

Yugoslavia (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

11 min., sd., b&w, 16 mm.

Order no. AFIF 34.

Summary: Explains Yugoslavia's geography, people, political history, government, economic structure, and importance in world affairs. Prepared for use by U. S. Armed Forces personnel.

Borrow from Army. *Cleared for tv.*

The Yukawa story (*Motion picture*) U. S. Information Agency, 1955. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1955.

41 min., sd., b&w, 16 mm.

Summary: Reviews the life of the atomic physicist and Nobel prize winner in nuclear physics, Dr. Hideki Yukawa. The scientist's son, Taka-aki Yukawa, narrates the story of the lives of his father and mother and explains the philosophies they represent. As he interprets their lives, Taka-aki sees the complementary blending of modern day science and the cultural heritage of the past. Prepared for overseas use.

Buy from NF. *Cleared for tv. Prior authorization required.*

Zero power reactor 3 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

10 min., sd., color, 16 mm.

Summary: Illustrates the ZPR–3 operating methods to study fuel configurations and their effect upon critical assembly, particularly operation and current applications in the Argonne National Laboratory's fast reactor program.

Borrow from AEC. *Buy from* Byron. *Cleared for tv.*

Zinc, its mining, milling, and smelting (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1948.

30 min., sd., b&w, 16 mm.

Order no. 230.

Summary: Locates zinc-ore areas in the United States; describes the process of mining the ore, transporting it to the mill, and smelting the ore to produce zinc oxide and metallic zinc; and illustrates some of the principal industrial uses of zinc.

Borrow from BM. *Cleared for tv.*

U. S. Government Films for Public Educational Use: Subject Index

A

ASTIA see U. S. Armed Services Technical Information Agency

ABDOMEN

see also Intestines; Kidneys; Liver; Peritoneum; Stomach

—SURGERY

Colostomy closure (End to end anastomosis) (*Motion picture*) U. S. Dept. of the Army, 1947.

Initial surgery of abdominal wounds (*Motion picture*) U. S. Dept. of the Army, 1956.

—WOUNDS AND INJURIES

Penetrating wounds of the abdomen (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.

ABDOMINAL ANEURYSM

Abdominal aortic aneurysm replacement with nylon graft (*Motion picture*) U. S. Veterans Administration, 1957.

ABEL, RUDOLF I.

The hollow coin (*Motion picture*) U. S. Dept. of the Army, 1960.

ABERDEEN, MD. PROVING GROUND see U. S. Proving Ground, Aberdeen, Md.

ABILITY

—TESTING

The specialty knowledge testing program (*Motion picture*) U. S. Dept. of the Air Force, 1962.

ABIQUIU, N. M. GHOST RANCH MUSEUM

Forest in a museum (*Motion picture*) U. S. Dept. of Agriculture, 1962.

ABSENTEE VOTING see Voting, Absent

ABSORPTION IN SOILS see Soil absorption

ACARICIDES see Insecticides

ACARIDA see Mites

ACCELERATORS, ELECTRON see Particle accelerators

ACCIDENTAL NUCLEAR EXCURSIONS see Nuclear reactors—Accidents —1961

ACCIDENTS

see also Asphyxia; Burns and scalds; Collisions at sea; Disasters; Electricity, Injuries from; First aid in illness and injury; Industrial accidents; Life-saving; Poisons; Shipwrecks; Shock; Traffic accidents

—PREVENTION

Dangerous war trophies (*Motion picture*) U. S. Dept. of Defense, 1953.

Do you know? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

On post safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1962.

Once too often (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

The operator and safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

Safety for sure (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Safety precautions for electronics personnel (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education, 1952.

To live in darkness (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

—PSYCHOLOGICAL ASPECTS

Aircraft accident investigation (*Motion picture*) U. S. Dept. of the Air Force, 1957.

ACCIDENTS, AIRCRAFT see Aeronautics —Accidents

ACCULTURATION

see also Intercultural education

The Hawaii University choir in Japan (*Motion picture*) U. S. Information Agency, 1959. Released for public educational use in the United States through U. S. Office of Education, 1959.

ACOUSTICS see Sound

ADJUSTMENT (PSYCHOLOGY)

Half a chance (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

ADULT EDUCATION see Education of adults

ADVERTISING, LEGAL see Legal advertising

AEDES AEGYPTI

Aedes aegypti survey techniques (*Filmstrip*) U. S. Public Health Service, 1957.

AERIAL BOMBING see Bombing, Aerial

AERIAL GUNNERY

Aerial firepower (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Jet fighter gunnery. Part 1: Air to ground (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Jet fighter gunnery. Part 2: Air to air (*Motion picture*) U. S. Dept. of the Air Force, 1954.

AERIAL LAW see Aeronautics—Laws and regulations

AERIAL NAVIGATION see Navigation (Aeronautics)

AERIAL OBSERVATION see Aeronautics, Military—Observations

AERIAL PHOTOGRAPHY see Photography, Aerial

AERIAL PROPELLERS see Propellers, Aerial

AERIAL RECONNAISSANCE see Aeronautics, Military—Observations

AERIAL ROCKETS see Rockets (Aeronautics); Rockets (Ordnance)

AERIAL SPRAYING see Aeronautics in mosquito control

AERIAL WARFARE see Air warfare

AEROBATIC FLYING see Stunt flying

AEROBIC BACTERIA see Bacteria, Aerobic

AERODYNAMIC FORCES see Drag (Aerodynamics); Lift (Aerodynamics)

AERODYNAMIC HEATING

Supersonic jet tests of simplified wing structures (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

AERODYNAMICS

see also Aerodynamic heating; Aeronautics; Lift (Aerodynamics); Rolling (Aerodynamics); Stability of aeroplanes; Stability of helicopters; Stalling (Aerodynamics); Turbulence; Wind tunnels

Advanced helicopter flight principles, part 2 (*Motion picture*) U. S. Dept. of the Army, 1956.

Aerodynamics (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aerodynamics: Air flow (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

Aerodynamics: Forces acting on an air foil (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

Aircraft in flight (*Filmstrip*) U. S. Civil Air Patrol, 1957.

Basic helicopter flight principles (*Motion picture*) U. S. Dept. of the Army, 1956.

Beyond the stick and rudder (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Forces in flight (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.

Helicopter orientation: Introduction to rotary wing flight (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

How an airplane flies, parts 3, 4, 5, and 6 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

AERODYNAMICS, SUPERSONIC

Supersonic jet tests of simplified wing structures (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

AEROFOILS

see also Rotors (Helicopters)

High speed air flow for airfoils (compressibility) (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

Supersonic jet tests of simplified wing structures (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

AEROLOGY see Meteorology

AERONAUTICAL CHARTS

Air pilotage (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Flying the weather map: The howgozit chart (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Highways in the sky (*Motion picture*) U. S. Dept. of the Air Force, 1955.

AERONAUTICAL INSTRUMENTS

see also Aeroplanes—Electric equipment; Automatic pilot (Helicopters); Gyro compass; Gyroscope; Instrument flying

Aircraft in flight (*Filmstrip*) U. S. Civil Air Patrol, 1957.

Airplane cockpit instruments and controls. Part 1: Primary (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Airplane cockpit instruments and controls. Part 2: BT-13A basic trainer (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Airplane cockpit instruments and controls. Part 3: Advanced single engined (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Dead reckoning instruments. Part 1: Driftmeters (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

AERONAUTICAL INSTRUMENTS (Continued)

Engine instruments (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Flight instruments (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Fuel level gages (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Instrument flying techniques: Basic instruments (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Introduction to airplane instruments (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Pressure gages (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Tachometers and synchronism indicators (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Thermometer (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

AERONAUTICAL LABORATORIES

Beating the heat (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

AERONAUTICAL LIBRARIES

The Air Force technical order system (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AERONAUTICAL NAVIGATION see Navigation (Aeronautics)

AERONAUTICAL RESEARCH

see also Aeronautical laboratories; Aeronautics, Military—Research

Beating the heat (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

High-speed flight research at Muroc (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

NACA high-speed flight research station (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

Research for tomorrow's aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

AERONAUTICS

see also Aerodynamics; Air pilots; Airdrop; Airports; Airways; Astronautics; Balloons; Electronics in aeronautics; Flight; Helicopters; High-speed aeronautics; Landing aids (Aeronautics); Meteorology in aeronautics; Navigation (Aeronautics); Propellers, Aerial; Radio in aeronautics; Rockets (Aeronautics); Seaplanes; Stability of aeroplanes

Air power (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.

Air traffic (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

Ames Aeronautical Laboratory in action (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

Aviation education and your school (*Filmstrip*) U. S. Civil Air Patrol, 1957.

Helicopter: Arctic operations (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Higher and faster (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1951.

I & E screen magazine, no. 574 (*Motion picture*) U. S. Dept. of Defense, 1960.

NACA research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

Packaging and packing: Preparation of freight for air shipment (*Filmstrip*) U. S. Dept. of the Army, 1961.

We saw it happen (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Wings for Roger Windsock (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Jam Handy Organization.

Wings over Brazil (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—ACCIDENTS

see also Survival (after aeroplane accidents, shipwrecks, etc.)

Aircraft accident investigation (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Appraisal of the hazards of friction-spark ignition of aircraft crash fires (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

Crash impact survival in light airplanes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

Flying follies (*Motion picture*) U. S. Army Air Forces, 1945.

Ground safety on the flight line, part 2 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Helicopter: Emergency procedures. Part 4: Emergency procedures in the H-21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

NACA crash fire research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

Summary of results of model ditching investigations of five transport airplanes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

—LAWS AND REGULATIONS

see also Air traffic rules

Visual flight rules (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1952.

—MEDICAL ASPECTS see Aviation medicine

—PSYCHOLOGY

Spatial disorientation in flight (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—SAFETY MEASURES

see also Aeroplanes—Ditching; Aeroplanes—Ice prevention; Aeroplanes—Oxygen equipment; Aircraft survival equipment; Pilot ejection seats; Pressure suits

Bailing out (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by United Productions. Released for public educational use through U. S. Office of Education, 1950.

Hazards in ground operation of jet aircraft (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Industrial Films. Released for public educational use through U. S. Office of Education, 1950.

Integrated landing aids, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

Integrated landing aids, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

Learn and live (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1952.

Physiology of high altitude flying (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Film Graphics.

Your safety belt (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

AERONAUTICS, HIGH-SPEED see High-speed aeronautics

AERONAUTICS, MILITARY

see also Aerial gunnery; Aeroplane carriers; Aeroplanes, Military; Air bases; Air power; Air raid shelters; Air warfare

AAF special delivery (*Motion picture*) U. S. Army Air Forces, 1946.

Aerial traffic patterns (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Air Force firepower (*Motion picture*) U. S. Dept. of Defense, 1951.

Air pattern Pacific (*Motion picture*) U. S. Army Air Forces, 1945.

Air power (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.

Alert in the Pacific (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Fighter photo, eyes of the fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

The forward air controller (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Higher and faster (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1951.

I & E screen magazine, no. 573 (*Motion picture*) U. S. Dept. of Defense, 1959.

I & E screen magazine, no. 577 (*Motion picture*) U. S. Dept. of Defense, 1960.

Low level air navigation (*Motion picture*) U. S. Dept. of the Navy, 1960.

The Marine Corps and close air support (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

Peace through strength (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Personnel loading capabilities of the C-130 aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1954.

The story of naval aviation (*Motion picture*) U. S. Dept. of the Navy, 1954.

Target within range: The key role of the USAF navigater (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Visual flight rules (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1952.

William Tell '61 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

—OBSERVATIONS

Tactical air reconnaissance (*Motion picture*) U. S. Dept. of the Air Force, 1961.

—RESEARCH

Design for environment (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Materials: Key to progress (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—STUDY AND TEACHING

The field training program in the USAF (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Give me a second station (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Jet flight planning (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Navy wings of gold (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Jam Handy Organization.

Use of the problem in teaching (*Motion picture*) U. S. Dept. of the Air Force, 1958.

AERONAUTICS IN FORESTRY

Air tanker attack (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Cargo dropping (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Cargo retrieving (*Motion picture*) U. S. Dept. of Agriculture, 1950.

AERONAUTICS IN FORESTRY (Continued)

Cargoing and loading (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Smokejumper training: Part 1: Indoctrination (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumper training. Part 2: Ground training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumper training. Part 3: Jump training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumpers (*Motion picture*) U. S. Dept. of Agriculture, 1949.

AERONAUTICS IN METEOROLOGY

see also Atmosphere, Upper—Rocket observations; Meteorology in aeronautics

Fort Churchill: Springboard for science (*Motion picture*) U. S. Dept. of the Army, 1960.

Hurricane Hunters (*Motion picture*) U. S. Dept. of the Navy, 1961.

AERONAUTICS IN MOSQUITO CONTROL

The use of aircraft for insect control. Part 1: Mosquito control (*Motion picture*) U. S. Public Health Service, 1949.

The use of aircraft for insect control. Part 1: Mosquito control (*Filmstrip*) U. S. Public Health Service, 1949.

AEROPLANE ACCIDENTS see Aeronautics —Accidents

AEROPLANE CARRIERS

Danger: stacked deck (*Motion picture*) U. S. Dept. of the Navy, 1960.

Day of battle (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

A fighting lady speaks (*Motion picture*) U. S. Dept. of the Navy, 1950.

Jets aboard: Operation of jet aircraft aboard carriers (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.

Yankee do (*Motion picture*) U. S. Dept. of the Navy, 1962.

AEROPLANE INDUSTRY AND TRADE

—QUALITY CONTROL

Quality control: a management tool (*Motion picture*) U. S. Dept. of the Air Force, 1959.

AEROPLANES

see also Aeronautics; Amphibian planes; Convertiplanes; Drag (Aerodynamics); Lift (Aerodynamics); Propellers, Aerial; Seaplanes; Vertically rising aeroplanes

—AILERONS see Ailerons

—BATTERIES

Aircraft storage batteries (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—BRAKES

Airplane hydraulic brakes: Types, construction, and action (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Bleeding hydraulic brakes (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

—CARRIERS see Aeroplane carriers

—COLD WEATHER OPERATION

Air operations in the Antarctic (*Motion picture*) U. S. Dept. of the Navy, 1960.

—DESIGN AND CONSTRUCTION

see also Aeroplanes—Wings, Sweptback

The Air Force heavy press program (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Airplane flight control surfaces and wing flaps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Beyond the stick and rudder (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Building a box beam spar (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Building a box beam spar (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Building a wooden rib (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

Building a wooden rib (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Fabricating metal aircraft (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Fabricating metal aircraft (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Fabrication of tubing (*Filmstrip*) U. S. Navy Dept., 1941. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Flight tests of a 0.4-scale model of a stand-on type vertically rising aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

Higher and faster (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1951.

Hovering flight tests of a four-engine-transport vertical take-off airplane with a large flap and auxiliary vanes for redirecting the propeller slipstream (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

Laying out and forming plywood (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Laying out and forming plywood (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Preserve the original strength: Aircraft (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

Protection of metals, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

Protection of metals, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

Rigging changes after flight (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Tomorrow we fly (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

—DITCHING

Ditching investigation of a jet transport with various engine installations, part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

Ditching investigation of a 1/15-scale model of the Convair liner airplane; part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

Ditching investigation of a 1/24-scale model of the Douglas C-124 airplane; part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

Ditching techniques for transport aircraft: Communications, sea evaluation, headings and landings (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Ditching techniques for transport aircraft: Preparation and evacuation for aircrew (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—EJECTION SEATS see Pilot ejection seats

—ELECTRIC EQUIPMENT

see also Aeronautical instruments; Aeroplanes—Batteries

The aircraft magneto: Theory and operation of the four-pole magneto (*Motion picture*) U. S. Army Air Forces, 1944.

Generator and regulator systems, principles (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Servicing and timing magnetos (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing and timing magnetos (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing spark plugs and ignition wiring (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing spark plugs and ignition wiring (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Trouble shooting problems: Ignition (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Ignition (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

—ESCAPE DEVICES see Pilot ejection seats

—FIRES AND FIRE PREVENTION

Aircraft firefighters and rescue procedures (*Motion picture*) U. S. Dept. of the Air Force, 1955. Released for public educational use 1961.

Appraisal of the hazards of friction-spark ignition of aircraft crash fires (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

Foaming the runway (*Motion picture*) U. S. Dept. of the Navy, 1960.

Techniques in aircraft fire-fighting and rescue (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—FLIGHT TESTING

The Air Force flight test center (*Motion picture*) U. S. Dept. of the Air Force, 1956.

The U. S. Naval Test Pilot School (*Motion picture*) U. S. Dept. of the Navy, 1959.

—FUEL

Flying the weather map: The howgozit chart (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

—FUEL SYSTEMS

Fuel and feed (*Filmstrip*) U. S. Navy Dept., 1942. Re-Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Trouble shooting problems: Fuel induction (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Fuel induction (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

—FUEL TANKS

Self-sealing fuel cells: Fitting replacement (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Self-sealing fuel cells: Installation, maintenance, and inspection (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Self-sealing fuel cells: Manufacture and usage (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Self-sealing fuel cells: Packing, stowage and handling (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Self-sealing fuel cells: Repairs (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

—FUSELAGE

Preserve the original strength: Aircraft (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

AEROPLANES (Continued)

—HYDRAULIC EQUIPMENT

Hydraulic mechanisms (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.

Hydraulic struts (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Principles of liquids and gases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—ICE PREVENTION

De-icer servicing and installation (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

De-icing equipment: Units and their functions (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Induction system icing (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

—INSPECTION

Adjustments after check flight (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Adjustments after check flight (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Periodic inspection: Airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preparing the plane for flight (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

—INSTRUMENTS see Aeronautical instruments

—JET PROPULSION

see also Aeroplanes—Turbine-propeller engines; Aeroplanes—Turbojet engines

Operation of jet aircraft engines (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization.

—LANDING

see also Aeroplanes—Ditching; Ground controlled approach; Instrument landing systems; Landing aids (Aeronautics)

Foaming the runway (*Motion picture*) U. S. Dept. of the Navy, 1960.

Interpreting weather for landing aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1955.

—LANDING GEAR

see also Aeroplanes—Brakes

Installing landing gear (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Installing landing gear (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

—LUBRICATION

Oil systems (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.

—MAINTENANCE AND REPAIR

Adjusting mechanical brakes (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Adjustments after check flight (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Adjustments after check flight (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Aircraft engine pumps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aircraft engine troubles: General (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aircraft engine troubles: Starting (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aircraft lubricants and lubricating equipment (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

Airplane ignition (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

Attaching and aligning wings (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Attaching and aligning wings (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Bleeding hydraulic brakes (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Care and repair of flight controls (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Cleaning the airplane (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

Connecting and adjusting controls (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Connecting and adjusting controls (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Connecting rods, crankshafts, bearings, and crankcases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Cylinder and piston assemblies (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Disassembling the engine (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Disassembling the engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Engine change: Installation (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine change: Installation (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine change: Removal (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine change: Removal (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Flight line safety (*Motion picture*) U. S. Dept. of the Army, 1962.

Ground safety on the flight line, part 1 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Inspecting and adjusting hydraulic brakes (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Inspecting and adjusting hydraulic brakes (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Inspecting and reconditioning piston assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning piston assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning valve assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning valve assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting the external fuel system, part 1 (*Filmstrip*). U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

Installing and aligning tail surfaces (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Installing and aligning tail surfaces (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Installing landing gear (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Installing landing gear (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Intake and exhaust systems (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Making insert patches (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Making sheet metal repairs (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Making sheet metal repairs (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Overhauling camshaft assembly and crankcase section (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling camshaft assembly and crankcase section (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling crankshaft assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling crankshaft assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling the carburetor (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling the carburetor (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Patching fabric (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Patching fabric (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Patching plywood (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Patching plywood (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Patching small holes in fabric (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Patching the L, T, and X type tears in fabric (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Periodic inspection: Airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Planned inspection and maintenance of USAF aircraft. Part 1: Introduction (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Planned inspection and maintenance of USAF aircraft. Part 2: Demonstration (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Preflight inspection: Airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

AEROPLANES

—MAINTENANCE AND REPAIR
(Continued)

Preflight inspection: Airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Reassembling the engine (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Reassembling the engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Removing and inspecting cylinders (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Removing and inspecting cylinders (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Repairing a wooden rib (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Repairing a wooden rib (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Repairing aircraft tires (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing aircraft tires (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing and relining mechanical brakes (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing and relining mechanical brakes (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing structural tubing (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Repairing structural tubing (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Security and refueling with safety (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

Self-sealing fuel cells: Fitting replacement (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Self-sealing fuel cells: Installation, maintenance, and inspection (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Self-sealing fuel cells: Repairs (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Servicing a propeller (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Servicing a propeller (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Servicing an airplane (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Servicing an airplane (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Servicing and timing magnetos (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing and timing magnetos (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing hydraulic systems (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Servicing spark plugs and ignition wiring (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing spark plugs and ignition wiring (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Splicing a wooden spar (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Splicing a wooden spar (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Towing, mooring, handling airplanes (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Trouble shooting problems: Fuel induction (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Fuel induction (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Ignition (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Ignition (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Mechanical and lubrication (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Mechanical and lubrication (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

—MODELS

Airplanes, their metals, fuels, and lubricants (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1944.

Ditching investigation of a 1/15-scale model of the Convair liner airplane; part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

Ditching investigation of a 1/24-scale model of the Douglas C-124 airplane; part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

Flight tests of a 0.4-scale model of a stand-on type vertically rising aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

Hovering flight tests of a four-engine-transport vertical take-off airplane with a large flap and auxiliary vanes for redirecting the propeller slipstream (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

—MOTORS

see also Aeroplanes—Jet propulsion;
Fuel pumps

Aircraft engine operation (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aircraft engine repairs: Classification of engine types (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aircraft engine troubles: General (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Aircraft engine troubles: Starting (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

The airplane engine (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.

Carburetion (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

Disassembling the engine (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Disassembling the engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Engine change: Installation (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine change: Installation (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine change: Removal (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine change: Removal (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Engine instruments (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Inspecting and reconditioning piston assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning piston assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning valve assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning valve assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Intake and exhaust systems (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Overhauling camshaft assembly and crankcase section (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling camshaft assembly and crankcase section (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling crankshaft assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling crankshaft assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling the carburetor (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Overhauling the carburetor (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Periodic inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Periodic inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Power for flight (*Filmstrip*) U. S. Civil Air Patrol, 1957.

Power plant controls (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Preflight inspection: Engine (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Preflight inspection: Engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Reassembling the engine (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Reassembling the engine (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Removing and inspecting cylinders (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Removing and inspecting cylinders (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing and timing magnetos (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing and timing magnetos (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Trouble shooting problems: Fuel induction (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Fuel induction (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Ignition (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Ignition (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Mechanical and lubrication (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

Trouble shooting problems: Mechanical and lubrication (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

—MOTORS—CARBURETORS

Induction system icing (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

—MOTORS—IGNITION

Airplane ignition (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

Elements of electricity as applied to ignition systems (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

AEROPLANES

—MOTORS—IGNITION (Continued)

Ignition and spark plug (*Motion picture*) U. S. Army Air Forces, 1944.

—MOTORS—STARTING DEVICES

Methods of starting the engine (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

—OXYGEN EQUIPMENT

Oxygen equipment (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Oxygen: Inflight equipment (*Motion picture*) U. S. Dept. of the Air Force, 1956. Released for public educational use 1961.

—PILOTING

see also Flight navigators; Flight training; Instrument flying; Stunt flying

Aerology (thunderstorms) Part 2: Flight techniques with respect to thunderstorms (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.

Effect of controls (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Forced landings (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Ground controlled approach of aircraft: Operational procedure (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.

Integrated landing aids, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

Learn and live (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1952.

Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Parking of aircraft (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Transition phase; basic training, part 1 (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Transition phase; basic training, part 2 (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Transition phase; basic training, part 3 (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

—PRESSURIZATION

Aircraft pressurization (*Motion picture*) U. S. Dept. of the Air Force, 1954. Released for public educational use 1961.

Flying in a pressure cabin (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Polaris Pictures.

—PROPELLERS see Propellers, Aerial

—RECOGNITION

Combat recognition (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—REFUELING

Security and refueling with safety (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

—ROLLING see Rolling (Aerodynamics)

—STABILITY see Stability of aeroplanes

—SWEEPBACK see Aeroplanes—Wings, Swept-back

—TAIL SURFACES

Airplane structures: Control surfaces (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.

Installing and aligning tail surfaces (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Installing and aligning tail surfaces (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

—TAKE-OFF

Instrument flying techniques: Take off and unusual attitudes (*Motion picture*) U. S. Dept. of the Air Force, 1961.

—TESTING

see also Aeroplanes—Flight testing

Preparing the plane for flight (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

Rigging changes after flight (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—TIRES

Aircraft tires. Part 1: Maintenance and repair (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

Aircraft tires. Part 2: Maintenance and repair (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1944.

Aircraft tires and tubes: Shop inspection, storage, and disposition (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—TURBINE-PROPELLER ENGINES

Turboprop/turboshaft engines: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1959.

—TURBOJET ENGINES

Army aircraft gas turbine engine operation, part 1: Principles of operation (*Motion picture*) U. S. Dept. of the Army, 1960.

Army aircraft gas turbine engine operation, part 2: Controls and instrumentation (*Motion picture*) U. S. Dept. of the Army, 1960.

Army aircraft gas turbine engine operation, part 3: Construction and operation of the T-53 (*Motion picture*) U. S. Dept. of the Army, 1960.

Foreign object ingestion into turbine engines by vortices (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

Turboprop/turboshaft engines: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1959.

—TURBOJET ENGINES—IGNITION

Photographic studies of preignitionenvironmentand flame initiation in turbojet-engine combustors (*Motion picture*) U. S. National Advisory Committee on Aeronautics, 1953.

—WHEELS see Aeroplanes—Landing gear

—WINGS

see also Ailerons

Airplane flight control surfaces and wing flaps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Airplane structures: Control surfaces (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.

Attaching and aligning wings (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Attaching and aligning wings (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

Preserve the original strength: Aircraft (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Broback. Released for public educational use through U. S. Office of Education, 1943.

Wing assembly: The bow tip (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The bow tip (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The inboard panel (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The inboard panel (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The nose section (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The nose section (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

—WINGS, SWEPT-BACK

Slow-speed flight characteristics of swept-wing aircraft (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Caravel Films.

AEROPLANES, JET PROPELLED see Jet planes

AEROPLANES, MILITARY

see also Bombers; Fighter planes; Jet planes, Military; Parachute troops

Ground handling of aircraft. Part 1: Fixed wing aircraft (*Motion picture*) U. S. Dept. of the Army, 1957.

Tac on target (*Motion picture*) U. S. Dept. of the Air Force, 1963.

—ARMAMENT

Aerial firepower (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—MAINTENANCE AND REPAIR

Servicing Army aircraft in extreme climatic conditions, part 2: Desert areas (*Motion picture*) U. S. Dept. of the Army, 1963.

AEROPLANES, PRIVATE

Crash impact survival in light airplanes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

AEROPLANES, VERTICALLY RISING see Vertically rising aeroplanes

AEROPLANES IN FORESTRY see Aeronautics in forestry

AEROPLANES IN MOSQUITO CONTROL see Aeronautics in mosquito control

AFRICA

—POLITICS

Africa (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

AFRICAN HORSE SICKNESS

African horse sickness (*Motion picture*) U. S. Dept. of Agriculture, 1962.

AFRICAN SWINE FEVER

Hog cholera [and] African swine fever: A comparison (*Motion picture*) U. S. Dept. of Agriculture, 1957.

AGED

Old age: A generation of elders (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

—MEDICAL CARE

Working together (*Motion picture*) U. S. Public Health Service, 1962.

AGRICULTURAL COOPERATIVE CREDIT ASSOCIATIONS

Banking on the land (*Motion picture*) U. S. Dept. of Agriculture, 1946.

Production credit does the job (*Motion picture*) U. S. Dept. of Agriculture, 1953.

AGRICULTURAL ECONOMICS see Agriculture—Economic aspects

AGRICULTURAL ENGINEERING

see also Drainage; Electricity in agriculture; Forestry engineering; Irrigation

Agricultural engineering—the profession with a future (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers. 1960

AGRICULTURAL ESTIMATING AND REPORTING

A compass for agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Crop reports help farmers face the facts (*Motion picture*) U. S. Dept. of Agriculture, 1956.

AGRICULTURAL EXHIBITIONS

Blue ribbon (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

Exhibit ideas (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

State fair (*Motion picture*) U. S. Information Agency, 1960. Made by Barclay Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.

AGRICULTURAL EXTENSION WORK

see also County agricultural agents; Home demonstration work

Circular letters (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

The county agent (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

Farm forestry extension in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

Japanese women leaders visit the U. S. (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1950.

Tooling up for the job (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

We show the way (*Motion picture*) U. S. Dept. of Agriculture, 1962.

AGRICULTURAL IMPLEMENTS

see also Spraying equipment

Ferramentas e máquinas (*Motion picture*) U. S. Institute of Inter-American Affairs. 1947. Made by Apex Film Corp.

From small beginnings (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Mejores herramientas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Sharpening and tempering farm tools (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

Sharpening and tempering farm tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

AGRICULTURAL INSURANCE see Insurance, Agricultural

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LABORERS

see also Migrant labor

Algo para mañana (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

Something for tomorrow (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

AGRICULTURAL MACHINERY

see also Agricultural engineering; Agricultural implements; Cultivators; Drill (Agricultural implement); Electricity in agriculture; Farm mechanization; Harvesting machinery; Mowing-machines; Plows; Spraying equipment; Tillage

Automation on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—REPAIRING

Care and repair of farm machinery (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Missouri Extension Service, 1942.

Care of a tractor (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Care of a tractor (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Cuide su tractor (*Motion picture*) U. S. Office of Education [1950?]

Reconditioning a cultivator (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Reconditioning a cultivator (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Reconditioning a grain drill (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a grain drill (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a mower. Part 1: Cutter bar (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a mower. Part 1: Cutter bar (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a mower. Part 2: Drive system (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Reconditioning a mower. Part 2: Drive system (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Reconditioning a two-bottom tractor plow (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a two-bottom tractor plow (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

AGRICULTURAL MECHANIZATION see Farm mechanization

AGRICULTURAL PESTS

see also Fungi in agriculture; Insects, Injurious and beneficial; Plant diseases

The hidden menace (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Wanted: Plant pest detectives (*Motion picture*) U. S. Dept. of Agriculture. 1961.

AGRICULTURAL PRODUCTS see Farm produce; Produce trade

AGRICULTURAL RESEARCH

Breakthrough: The challenge of agricultural research (*Motion picture*) U. S. Dept. of Agriculture, 1960.

New uses for farm products (*Motion picture*) U. S. Dept. of Agriculture, 1959.

AGRICULTURAL SURPLUSES see Surplus agricultural commodities

AGRICULTURAL TOOLS see Agricultural implements

AGRICULTURE

see also Atomic energy in agriculture; Burning of land; Cattle; Chemurgy; Clearing of land; Dairying; Domestic animals; Farm buildings; Farm life; Farm management; Farm produce; Farmers; Farms; Fertilizers and manures; Food industry and trade; Forests and forestry; Fruit-culture; Gardening; Insects, Injurious and beneficial; Irrigation; Land; Land tenure; Pastures; Reclamation of land; Rotation of crops; Seeds; Soil-surveys; Soils; Stock and stock-breeding; Tillage; Vegetable gardening; Vegetables; Women in agriculture

The agriculture story (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Agriculture then and now (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

America the beautiful (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

American history I, lecture 19: The farmer increases production but suffers hard times (*Motion picture*) U. S. Dept. of Defense, 1956.

Brazilian trainees visit land grant colleges (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Comments by farmers (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Farmer at war (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

Fundo in Chile (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.

Irrigation, lifeblood of the West (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Is farming for me? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

A look at Soviet agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1959.

The South grows green (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Teamwork on the Nevada range (*Motion picture*) U. S. Dept. of Agriculture, 1963.

—ECONOMIC ASPECTS

see also Agricultural cooperative credit associations; Farm management; Farm produce—Marketing; Land tenure; Produce trade; Rehabilitation, Rural

American history II, lecture 6: Problems of agriculture and conservation in an industrial economy (*Motion picture*) U. S. Dept. of Defense, 1956.

Factory worker turns farmer (*Motion picture*) U. S. Dept. of State, 1949. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1950.

—SAFETY MEASURES

Do you know? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

—STATISTICS

see also Agricultural estimating and reporting

Agricultural outlook charts, 1962 (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

Crop reports help farmers face the facts (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Outlook charts, 1959 (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

AGRICULTURE, COOPERATIVE

Better living through dairy cooperatives (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Cooperative wool: From fleece to fabric (*Motion picture*) U. S. Dept. of Agriculture, 1941.

Farmer cooperation in Europe (*Motion picture*) U. S. Foreign Operations Administration and International Federation of Agricultural Producers, 1954. Made by World Wide Pictures, London. Released in the United States through U. S. Dept. of Agriculture.

Farmer cooperatives today (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Farmers working together (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Fruits, vegetables, and cooperation (*Motion picture*) U. S. Dept. of Agriculture, 1941.

It's the farmers' business (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Livestock cooperatives in action (*Motion picture*) U. S. Dept. of Agriculture, 1950.

The rural co-op (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Dept. of Agriculture, 1950, and U. S. Office of Education, 1951.

AGRICULTURE AND STATE

see also Agricultural extension work; Rehabilitation, Rural; Surplus agricultural commodities

The agriculture story (*Motion picture*) U. S. Dept. of Agriculture, 1956.

AGRICULTURE AS A PROFESSION

Learning about farm jobs from pictures (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

AGUE see Malarial fever

AIDS TO AIR NAVIGATION

see also Aeronautical charts; Airways; Electronics in aeronautics; Meteorology in aeronautics; Radio in aeronautics

Ground aids to air navigation: Ship to shore (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.

The USAF calibration program (*Motion picture*) U. S. Dept. of the Air Force, 1962.

AIDS TO NAVIGATION

see also Transit (Navigation satellite)

Aids to navigation (*Motion picture*) U. S. Coast Guard, 1959.

Coast Guard Azalea (*Motion picture*) U. S. Coast Guard, 1960.

Coast Guard in Alaska (*Motion picture*) U. S. Coast Guard, 1962.

AILERONS

see also Aeroplanes—Wings

Airplane flight control surfaces and wing flaps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Airplane structures: Control surfaces (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.

AIR

see also Aerodynamics; Atmosphere

Armed Forces screen magazine, no. 503 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

—POLLUTION

Control of air pollution (*Motion picture*) U. S. Public Health Service, 1962.

Effects of air pollution (*Motion picture*) U. S. Public Health Service, 1962.

Sources of air pollution (*Motion picture*) U. S. Public Health Service, 1962.

AIR BASES

The Air Force engineer (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Alaskan air fortress (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Arctic rampart (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Ground handling of aircraft. Part 1: Fixed wing aircraft (*Motion picture*) U. S. Dept. of the Army, 1957.

Operation Blue Jay (*Motion picture*) U. S. Dept. of the Army, 1953.

Search for silence (*Motion picture*) U. S. Dept. of the Navy, 1960.

24 hour alert (*Motion picture*) U. S. Dept. of the Air Force, 1956.

The USAF maintenance management improvement program (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—RUNWAYS

Airfield flexible pavement (*Motion picture*) U. S. Army Engineers, 1955.

The construction of a portland-cement concrete airfield pavement (*Motion picture*) U. S. Army Engineers, 1955.

SELF: The mobile airfield (*Motion picture*) U. S. Marine Corps, 1961. Made by U. S. Dept. of the Navy.

AIR-BRAKES

see also Brakes

Air brakes: Principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

The locomotive air brake system (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

AIR CARGO DROPPING see Airdrop

AIR DEFENSE COMMAND see U.S. Air Force. Air Defense Command

AIR FLOW

Effect of air flow on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.

The fundamental nature of air flows and air-flow separation (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.

High speed air flow for airfoils (compressibility) (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

A study of air flow by means of smoke (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.

A study of air flow in an engine cylinder (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1937.

AIR FORCE AID SOCIETY

When in need (*Motion picture*) U. S. Dept. of the Air Force, 1962.

AIR FORCE DEPENDENTS' ASSISTANCE PROGRAM

The Air Force takes care of its own (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AIR FORCE R O T C see U.S. Air Force. Reserve Officers' Training Corps

AIR FORCE SCHOOLS see Aeronautics, Military—Study and teaching

AIR GUNNERY see Aerial gunnery

AIR MATÉRIAL COMMAND see U.S. Air Force. Air Matérial Command

AIR NATIONAL GUARD (U.S.) see U.S.—Air National Guard

AIR NAVAL RESERVE see U.S. Naval Reserve Flying Corps

AIR NAVIGATION see Aeronautics; Navigation (Aeronautics)

AIR NAVIGATION AIDS see Aids to air navigation

AIR NAVIGATORS see Flight navigators

AIR-PASSAGES see Respiratory organs

AIR PILOTS

see also Aeronautics—Psychology; Aeroplanes—Piloting

Seven letters (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AIR POWER

see also Air warfare

Air power American (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Rafael G. Wolff Studios.

Air power and armies (*Motion picture*) U. S. Army Air Forces, 1945.

The problems of air power (*Filmstrip*) U. S. Civil Air Patrol, 1957.

The strategic attack (*Motion picture*) U. S. Dept. of the Air Force, 1951.

AIR RAID SHELTERS

see also Atomic bomb shelters

The mission support during radioactive fallout: Fallout shelters (*Motion picture*) U. S. Dept. of the Air Force, 1959.

AIR RESCUE SERVICE see Search and rescue operations

AIR SUPPLY see Airdrop

AIR TRAFFIC CONTROL

see also Airports—Traffic control; Electronics in aeronautics

Air traffic (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

Air traffic control procedures (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The pilot and air traffic control (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Scramble two—the joint use of air defense and air traffic control facilities (*Motion picture*) U. S. Dept. of the Air Force, 1963.

AIR TRAFFIC RULES

Airports, airways, and electronics (*Filmstrip*) U. S. Civil Air Patrol, 1957.

AIR WARFARE

see also Aerial gunnery; Aeronautics, Military—Study and teaching; Aeroplanes, Military; Air power; Anti-aircraft guns; Atomic warfare; Bombing, Aerial; Chemical warfare

Look to the skies (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by American Film Producers.

Strategic Air Command (*Motion picture*) U. S. Dept. of Defense, 1952.

AIRBORNE EARLY WARNING SQUADRON FOUR see U.S. Navy. Airborne Early Warning Squadron 4

AIRCRAFT CARRIERS see Aeroplane carriers

AIRCRAFT SURVIVAL EQUIPMENT

see also Clothing, Protective; Parachutes; Pilot ejection seats

Pilot emergency escape survival system of the F/TF-102A (*Motion picture*) U. S. Dept. of the Air Force, 1958.

AIRDROP

Flying soldiers (*Motion picture*) U. S. Dept. of the Army, 1958.

AIRFOILS see Aerofoils

AIRLINERS see Transport planes

AIRPLANES see Aeroplanes

AIRPORTS

see also Air bases; Landing aids (Aeronautics)

—RUNWAYS

Airfield flexible pavement (*Motion picture*) U. S. Army Engineers, 1955.

Bonded thin concrete resurfacing (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—TRAFFIC CONTROL

Ground controlled approach of aircraft: Operational procedure (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.

AIRPORTS

—TRAFFIC CONTROL (Continued)

Instrument flight rules (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

Integrated landing aids, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

Integrated landing aids, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

AIRSTRIPS see Air bases—Runways; Airports —Runways

AIRWAYS

see also Aids to air navigation

Airways aids (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

ALAMEIN, BATTLE OF, 1942 see El Alamein, Battle of, 1942

ALASKA

Alaska (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Alaska: Newest of the United States of America (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

ALASKA RAILROAD

The Alaska Railroad (*Motion picture*) U. S. Dept. of the Interior and the Alaska Railroad, 1956. Made by Louis R. Huber.

ALBENI FALLS DAM

Albeni Falls Dam (*Motion picture*) U. S. Army Engineers, 1956.

ALBROOK AIR FORCE BASE, BALBOA, CANAL ZONE see U.S. Albrook Air Force Base, Balboa, Canal Zone

ALEUTIAN ISLANDS

Survival in the Aleutians (*Motion picture*) U. S. Dept. of the Air Force, 1951.

ALFALFA

Developing pastures establishing alfalfa under wind erosion hazard (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

ALGEBRA

see also Equations; Factors (Algebra); Probabilities

Beginning algebra I, lecture 3: Formulas (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 5: Dependence of quantities (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 9: Fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 10: Fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 1: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 3: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 5: Fractions, fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 6: Fractions, fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 9: Ratio, proportion, and variation (*Motion picture*) U. S. Dept. of Defense, 1956.

—GRAPHIC METHODS

see also Equations—Numerical solutions

Beginning algebra I, lecture 6: Interpretation and construction of graphs (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 14: Linear equations in two unknowns (*Motion picture*) U. S. Dept. of Defense, 1956.

—TERMINOLOGY

Beginning algebra I, lecture 1: Algebra, the international language (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 2: Algebra, the international language (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 4: Simple equations and formulas (*Motion picture*) U. S. Dept. of Defense, 1956.

ALLEGIANCE

Code of conduct. Article 6: Stand firm (*Motion picture*) U. S. Dept. of the Army, 1959.

ALLOYS, HEAT RESISTANT see Heat resistant alloys

ALTERNATING CURRENT DYNAMOS see Dynamos—Alternating current

ALTERNATING CURRENT GENERATORS see Dynamos—Alternating current

ALTERNATING CURRENTS see Electric currents, Alternating

ALTERNATORS, ELECTRIC see Dynamos —Alternating current

ALTITUDE, INFLUENCE OF

High altitude, high speed, flight problems: Physiological effects (*Motion picture*) U. S. Dept. of the Navy, 1952.

Oxygen: Inflight requirements (*Motion picture*) U. S. Dept. of the Air Force, 1956. Released for public educational use 1961.

ALTITUDES

Map reading, basic: Elevation (*Motion picture*) U. S. Dept. of the Army, 1957.

ALUMINUM

Aluminum (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

Blanking and piercing (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

How to rivet aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

Spinning (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

This is aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1947.

Torch welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

Tube and shape bending (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

Welding aluminum tubes with sheets (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

—HEAT TREATMENT

Heat treatment of aluminum, film 1 (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

Heat treatment of aluminum, film 1 (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

Heat treatment of aluminum, film 2 (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

Heat treatment of aluminum, film 2 (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

—WELDING

Resistance welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

ALUMINUM ALLOYS

Drawing, stretching, and stamping (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

How to machine aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

AMALGAMS

Dental amalgam: Failure caused by moisture contamination (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1949.

AMAZON VALLEY

The Amazon awakens (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

AMBITION

Ambition (*Motion picture*) U. S. Dept. of the Army, 1958.

AMEBIASIS

see also Entamoeba histolytica

Life cycle of endamoeba histolytica in dysenteric and nondysenteric amoebiasis (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

PVA-fixative technique in the diagnosis of amebiasis (*Filmstrip*) U. S. Public Health Service, 1950.

AMERICA

—DISCOVERY AND EXPLORATION

American history I, lecture 1: Europe finds and explores a new world (*Motion picture*) U. S. Dept. of Defense, 1956.

AMERICAN CIVIL WAR see U.S.—History —Civil War

AMERICAN COOKERY see Cookery, American

AMERICAN DENTAL ASSOCIATION

Dental materials: Specification and certification (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.

AMERICAN FRIENDS SERVICE COMMITTEE see Friends, Society of. American Friends Service Committee

AMERICAN LITERATURE

American history I, lecture 12: Changes in American society and culture (*Motion picture*) U. S. Dept. of Defense, 1956.

AMERICAN MILITARY ASSISTANCE see Military assistance, Military

AMERICAN NATIONAL CHARACTERISTICS see National Characteristics, American

AMERICAN RED CROSS see Red Cross. U.S. American National Red Cross

AMERICAN REPUBLICS see Pan-Americanism

AMERICAN REVOLUTION see U.S.—History —Revolution

AMERICAN WOMEN see Women in the U.S.

AMES AERONAUTICAL LABORATORY, MOFFET FIELD, CALIF. see U.S. Ames Aeronautical Laboratory, Moffet Field, Calif.

AMOEBA

Excystation and motility of Endamoeba histolytica (*Motion picture*) U. S. Public Health Service, 1949.

Life cycle of endamoeba histolytica in dysenteric and non-dysenteric amoebiasis (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1949.

AMOEBA DYSENTERIAE see Entamoeba histolytica

AMOEBIASIS see Amebiasis

AMPHIBIAN PLANES

Amphibian aircraft water operations: Open sea (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Amphibian aircraft water operations: Sheltered aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1956.

AMPHIBIOUS MOTOR VEHICLES see Motor vehicles, Amphibious

AMPHIBIOUS WARFARE

see also Landing operations

The amphibious marines (*Motion picture*) U. S. Marine Corps, 1952. Made by U. S. Dept. of the Navy.

Hit the beach (*Motion picture*) U. S. Dept. of the Army, 1956.

Land the landing force: The history of marine amphibious operations (*Motion picture*) U. S. Dept. of the Navy, 1960.

Military police support in amphibious operations (*Motion picture*) U. S. Dept. of the Army, 1953.

Operation CAMID VI (*Motion picture*) U. S. Dept. of Defense, 1952.

Operation Portrex (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMPLIFIERS, VACUUM-TUBE

see also Traveling-wave tubes

Audio frequency amplification (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

Radio frequency amplification (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

AMPUTATION

The Urban Maes amputation for peripheral vascular disease (*Motion picture*) U. S. Veterans Administration, 1956.

AMPUTATIONS OF ARM

Technique of biceps cineplasty (*Motion picture*) U. S. Dept. of the Army, 1960.

Total rehabilitation of a bilateral high upper extremity amputee (*Motion picture*) U. S. Veterans Administration, 1959.

The upper extremity (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Upper extremity prosthetic principles (*Motion picture*) U. S. Veterans Administration, 1955.

AMPUTATIONS OF LEG

Below knee amputation (*Motion picture*) U. S. War Dept., 1946.

Dynamic exercises for lower extremity amputees (*Motion picture*) U. S. Veterans Administration, 1959.

Guillotine amputation of the lower extremity (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Revision and reamputation of the lower extremity (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

Technique of open amputation (*Motion picture*) U. S. War Dept., 1946.

AMPUTEES

—PSYCHOLOGY

Swinging into step (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

—REHABILITATION

see also Artificial limbs

Comeback (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Pictorial Research; revised by Unifilms.

Diary of a sergeant (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

Dynamic exercises for lower extremity amputees (*Motion picture*) U. S. Veterans Administration, 1959.

Half a chance (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

The sky is the limit (*Motion picture*) U. S. War Dept., 1946.

Swinging into step (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Total rehabilitation of a bilateral high upper extremity amputee (*Motion picture*) U. S. Veterans Administration, 1959.

Upper extremity prosthetics (*Motion picture*) U. S. Veterans Administration, 1952.

With hand and heart (*Motion picture*) U. S. Information Agency, 1960. Made in Korea. Released for public educational use in the United States through U. S. Office of Education, 1961.

ANABOLISM see Metabolism

ANACOSTIA, D. C. BOLLING AIR FORCE BASE see U. S. Bolling Air Force Base, Washington, D. C.

ANALYSIS (MATHEMATICS) see Functions

ANALYSIS, MICROSCOPIC see Microscope and microscopy

ANALYSIS OF BLOOD see Blood —Analysis and chemistry

ANALYSIS OF FOOD see Food adulteration and inspection

ANALYSIS OF SOILS see Soils—Analysis

ANATOMY, HUMAN

The body, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

The body, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

O corpo humano (*Motion picture*) U. S. Office of Inter American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

El cuerpo humano (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

The human body (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

ANESTHESIA

see also Anesthetics

The anaesthesiologist positions the patient (*Motion picture*) U. S. Veterans Administration, 1959.

ANESTHETICS

—SAFETY MEASURES

Fire and explosion hazards from flammable anesthetics (*Motion picture*) U. S. Bureau of Mines in cooperation with University of Pittsburgh School of Medicine and Abbott Laboratories. Released by U. S. Bureau of Mines, 1960.

ANEURYSMS

Treatment of aneurysms of peripheral arteries (*Motion picture*) U. S. Veterans Administration, 1956.

ANIMAL KINGDOM see Zoology

ANIMAL NUTRITION see Feeding

ANIMAL PARASITES see Parasites

ANIMAL POISONS see Venom

ANIMALS, DISEASES OF see Veterinary medicine

ANIMALS, DOMESTIC see Domestic animals

ANIMALS, EXPERIMENTAL see Laboratory animals

ANIMALS, HABITS AND BEHAVIOR OF

Behavior of wild Norway rats (*Motion picture*) U. S. Dept. of the Army, 1957.

ANKLE

—FRACTURE

Fractures of the leg and ankle (*Motion picture*) U. S. Veterans Administration, 1958. Made by Churchill-Wexler Film Productions.

—SURGERY

Surgical approaches to the ankle joint (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

ANKYLOSTOMIA see Hookworms

ANKYLOSTOMIASIS see Hookworm disease

ANNAPOLIS. NAVAL ACADEMY see U. S. Naval Academy, Annapolis

ANNAPOLIS, MD. NAVAL EXPERIMENTAL STATION see U. S. Naval Engineering Experiment Station, Annapolis, Md.

ANTARCTIC REGIONS

Antarctic living (*Motion picture*) U. S. Navy Dept., 1959.

Operation Deepfreeze I (*Motion picture*) U. S. Dept. of the Navy, 1957.

Portrait of Antarctica (*Motion picture*) U. S. Dept. of the Navy, 1961.

ANTENNAS (ELECTRONICS)

see also Radio—Antennas; Radio, Short wave—Antennas

Wave propagation and antenna theory, part 1 (*Filmstrip*) U. S. Dept. of the Army, 1955.

Wave propagation and antenna theory, part 2 (*Filmstrip*) U. S. Dept. of the Army, 1955.

ANTHRAX

Epizootiology of anthrax (*Filmstrip*) U. S. Public Health Service, 1952.

Transmission of anthrax, animal to man (*Filmstrip*) U. S. Public Health Service, 1954.

ANTI-AIRCRAFT GUNS

see also Artillery; Machine-guns

The skysweeper: Emplacement and march order (*Motion picture*) U. S. Dept. of the Army, 1954.

ANTI-AIRCRAFT MISSILES see Nike rocket

ANTICOAGULANTS (MEDICINE)

Use of anticoagulants in rodent control (*Motion picture*) U. S. Public Health Service, 1961.

Use of anticoagulants in rodent control (*Filmstrip*) U. S. Public Health Service, 1958.

ANTI-CORROSIVE PAINT see Corrosion and anti-corrosives

ANTIDOTES see Poisons

ANTIGENS AND ANTIBODIES

Introduction to the fluorescent treponemal antibody test (*Motion picture*) U. S. Public Health Service, 1960.

—ANALYSIS

Antigen analysis by cellulose chromatography and gel-diffusion of hydatid fluid (*Motion picture*) U. S. Public Health Service, 1962.

ANTIPATHIES see Prejudices and antipathies

ANTIQUITIES, PREHISTORIC see Man, Prehistoric

ANTISEPTIC SURGERY see Surgery, Aseptic and antiseptic

ANTITANK WARFARE see Tank warfare

ANTS

Fire ant on trial (*Motion picture*) U. S. Dept. of Agriculture, 1959.

The imported fire ant (*Motion picture*) U. S. Dept. of Agriculture, 1959.

APHASIA

Introduction to aphasia (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

Social adjustment for the aphasic patient (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

Testing and individual therapy for the aphasic patient (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

APICULTURE see Bee culture

APPARATUS, MEDICAL see Medical instruments and apparatus

APPARATUS, VOLUMETRIC see Volumetric apparatus

APPLE

An apple a day (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Apple handling methods (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Apple packing methods (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Handling and storing apples in pallet boxes (*Motion picture*) U. S. Dept. of Agriculture, 1959.

—MARKETING

An apple is like a bag of eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

Easy ways to make a banged-up apple crop (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

APPREHENSION see Perception

APPRENTICES

see also Employees, Training of

Apprentice training (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.

APTITUDE TESTS see Ability—Testing

AQUARIUM REACTORS see Swimming pool reactors

AQUATIC BIRDS see Water-birds

AQUATIC SPORTS

see also Boats and boating; Fishing; Rowing; Swimming

Just for the fun of it (*Motion picture*) U. S. Army Engineers, 1959.

—SAFETY MEASURES

Be water wise: Boating (*Motion picture*) U. S. Dept. of the Air Force, 1960.

ARC WELDING see Electric welding

ARCHITECTURE

see also Building; Concrete construction; Farm buildings; Hospitals—Construction; Strength of materials

American painting in history (*Filmstrip*) U. S. National Gallery of Art, 1960.

ARCHIVES

Your National Archives (*Motion picture*) U. S. National Archives, 1956. Made by U. S. Dept. of the Air Force.

ARCTIC REGIONS

see also Transportation, Military—Cold weather conditions

Arctic shipping: MSTS Arctic operations (*Motion picture*) U. S. Dept. of the Navy, 1958.

Coast Guard cutters around the continent (*Motion picture*) U. S. Coast Guard, 1958.

Combat in deep snow and extreme cold (*Motion picture*) U. S. Dept. of the Army, 1950.

MSTS Arctic operations, 1956 (*Motion picture*) U. S. Dept. of the Navy, 1957.

MSTS Arctic operations 1957 (*Motion picture*) U. S. Dept. of the Navy, 1958.

The Nautilus crosses the top of the world (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

Ski Jump II (*Motion picture*) U. S. Dept. of the Navy, 1953.

Summer movements in the Arctic (*Motion picture*) U. S. Dept. of the Army, 1950.

Survival in the Arctic tundra (*Motion picture*) U. S. Dept. of the Air Force, 1949.

Survival on polar sea ice (*Motion picture*) U. S. Dept. of the Air Force, 1954.

ARGONNE NATIONAL LABORATORY, CHICAGO see U. S. Argonne National Laboratory, Chicago

ARGUMENTATION see Oratory

ARIZONA

Arizona and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1955. Made by Frederick K. Rockett Co.

ARKANSAS RIVER

River with a future (*Motion picture*) U. S. Army Engineers, 1959.

ARM

see also Humerus

—FRACTURE

Fractures of the forearm (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

Rigid medullary fixation of forearm fractures (*Motion picture*) U. S. Dept. of the Army, 1961.

—PROSTHESIS see Artificial arms

—SURGERY

see also Amputations of arm

Neurorrhaphy of median and ulnar nerves in mid-arm (*Motion picture*) U. S. Dept. of the Army, 1948.

Repair of the radial nerve in the distal one-third of the arm (*Motion picture*) U. S. Veterans Administration, 1961.

ARMISTICE DAY see Veterans Day

ARMORED CARS (TANKS) see Tanks (Military science)

ARMS, ARTIFICIAL see Artificial arms

ARMS AND ARMOR

see also Aeroplanes, Military—Armament; Firearms; Ordnance; Rifles

Armed Forces screen magazine, no. 583 (*Motion picture*) U. S. Dept. of Defense, 1962. Released for public educational use through U. S. Office of Education, 1963.

U. S. Navy armored life jacket (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

ARMY PACKAGE POWER REACTORS

The Army package power reactor (*Motion picture*) U. S. Dept. of the Army, 1958.

ARMY REACTORS (PM)

PM-1 nuclear power plant (*Motion picture*) U. S. Atomic Energy Commission, 1962. Made by Martin Co.

ARMY SCHOOLS see Military education; Military post schools

ARMY SIGNAL RESEARCH AND DEVELOPMENT LABORATORY, FORT MONMOUTH, N. J. see U. S. Army Signal Research and Development Laboratory, Fort Monmouth, N. J.

ARMY SUPPLIES see Military supplies

ARMY WAGONS see Vehicles, Military

ARREST

Apprehension and search of persons (*Motion picture*) U. S. Dept. of the Army, 1956.

ART

see also Architecture; Photography, Artistic

—GALLERIES AND MUSEUMS

The art of the Florentine golden age in the National Gallery of Art (*Filmstrip*) U. S. National Gallery of Art, 1956.

Museum of art (*Motion picture*) U. S. Information Agency, 1958. Made by G. M. Productions. Released for public educational use in the United States through U. S. Office of Education, 1958.

ARTERIAL GRAFTS

Femoral artery by-pass graft with crimped teflon (*Motion picture*) U. S. Veterans Administration, 1958.

ARTERIES

see also Blood—Circulation; Blood-vessels; Carotid artery; Femoral artery; Veins

—DISEASES

Arterial disorders in the upper extremity and their treatment by sympathectomy (*Motion picture*) U. S. Dept. of the Army, 1950.

ARTERIOSCLEROSIS

Arteriosclerotic occlusive disease (*Motion picture*) U. S. Veterans Administration, 1956.

ARTERIOVENOUS FISTULA see Fistula, Arteriovenous

ARTHROPODA

see also Insects

Arthropods of public health importance (*Filmstrip*) U. S. Public Health Service, 1954.

Introduction to the insects and their allies (*Filmstrip*) U. S. Public Health Service, 1960.

ARTICLES OF WAR see Military law

ARTIFICIAL ARMS

Biceps cineplastic technique (*Motion picture*) U. S. Navy Dept., 1961.

ARTIFICIAL ISLANDS

Construction of an offshore light station (*Motion picture*) U. S. Coast Guard, 1963.

ARTIFICIAL JAWS see Jaws, Artificial

ARTIFICIAL LIMBS

The cineplastic operation (*Motion picture*) U. S. Dept. of the Army, 1947.

Suction socket artificial limb (*Motion picture*) U. S. Veterans Administration, 1951.

Upper extremity prosthetic principles (*Motion picture*) U. S. Veterans Administration, 1955.

Upper extremity prosthetics (*Motion picture*) U. S. Veterans Administration, 1952.

ARTIFICIAL RESPIRATION

First aid. Part 4: Resuscitation, mouth-to-mouth, mouth-to-nose (*Motion picture*) U. S. Dept. of the Army, 1960.

Introduction to prolonged artificial ventilation (*Motion picture*) U. S. Dept. of the Army, 1962.

Techniques of exhaled-air artificial respiration (*Motion picture*) U. S. Dept. of the Air Force, 1959.

ARTIFICIAL SATELLITES

see also Transit (Navigation satellite)

Catch a falling star (*Motion picture*) U. S. Dept. of the Air Force, 1962.

ARTIFICIAL TEETH see Teeth, Artificial

ARTILLERY

see also Anti-aircraft guns; Ordnance

Field artillery sight tests and adjustments (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Fire: Artillery action in Korea (*Motion picture*) U. S. Dept. of the Army, 1952.

The great gun (*Motion picture*) U. S. Dept. of the Army, 1962.

ARTILLERY RANGES see Bombing and gunnery ranges

ARTISTS, JAPANESE

Arts of Japan (*Motion picture*) U. S. Information Agency, 1954. Made by Tokyo Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

ARTISTS, ORIENTAL

Asian artists in crystal (*Motion picture*) U. S. Information Agency, 1956. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1957.

ASBESTOS

Asbestos—a matter of time (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Sales Corp. Released by U. S. Bureau of Mines, 1959.

ASCARIDAE

Ascariasis (Infestation with ascarids) (*Motion picture*) U. S. Dept. of the Army, 1949.

ASDIC see Sonar

ASEPTIC SURGERY see Surgery, Aseptic and antiseptic

ASIA

—POLITICS

South Asia and India today (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

What we face in southern Asia (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

ASPHALT PAVEMENTS see Pavements, Asphalt

ASPHYXIA

see also Artificial respiration; Gases, Asphyxiating and poisonous

First aid for all hands: Asphyxia (*Motion picture*) U. S. Dept. of the Navy, 1959.

ASSOCIATION see Social groups

ASTIA see U. S. Armed Services Technical Information Agency

ASTRODYNAMICS

see also Astronautics; Space trajectories

Space orbits (*Motion picture*) U. S. Dept. of the Air Force, 1960.

ASTRONAUTICS

see also Artificial satellites; Astrodynamics; Outer space—Exploration; Space flight; Space flight to Mars; Space ships; Space vehicles

Ballistic missile and space program (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Reaching for space (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Survey of astronautics (*Motion picture*) U. S. Dept. of the Air Force, 1960.

—COMMUNICATION SYSTEMS

Space communications (*Motion picture*) U. S. Dept. of the Air Force, 1960.

ASTRONOMY

see also Constellations; Earth; Geodesy; Nautical almanacs; Nautical astronomy; Stars; Tides

The astronomical triangle (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

The earth (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

Time (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

ATAXIA, HEREDITARY see Friedreich's disease

ATLANTIC INTRACOASTAL WATERWAY see Intracoastal Waterway

ATLANTIC PACT, 1949 see North Atlantic treaty, 1949

ATLAS (ICBM)

Atlas, the ICBM (*Motion picture*) U. S. Dept. of the Air Force, 1958.

ATMOSPHERE

see also Air; Meteorology

Air Masses (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Atmospheric stability and instability: Adiabatic process (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

Atmospheric stability and instability: Existing temperature distribution (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

Atmospheric stability and instability: Stability and the weather (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

Atmospheric stability and instability: Thermal convection (*Motion picture*) U. S. Dept. of the Navy 1953. Made by Academy Productions.

ATMOSPHERE, UPPER

see also Jet stream

Aerobee (*Motion picture*) U. S. Dept. of Defense, 1951.

Animals in rocket flight (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The effects of the ionosphere on radio wave propagation (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—ROCKET OBSERVATIONS

Frontier beyond the sky (*Motion picture*) U. S. Dept. of the Army, 1960.

ATOMIC BOMB

see also Hydrogen bomb; Radioactive fallout

AAF special delivery (*Motion picture*) U. S. Army Air Forces, 1946.

The Air Force story: The Air Force and the atom bomb (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The basic physics of an atomic bomb (*Motion picture*) U. S. Dept. of Defense, 1951.

Tale of two cities (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

—PHYSIOLOGICAL EFFECT

Atomic medical cases: Japan, World War II (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951

Effects of atomic bomb explosions (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1952.

The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—SAFETY MEASURES

see also Atomic bomb shelters

Individual protection against CBR attack (*Motion picture*) U. S. Dept. of the Army, 1962.

Self-preservation in an atomic bomb attack (*Motion picture*) U. S. Dept. of Defense, 1951. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1951.

—TESTING

Atom atoll (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

The atom strikes (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

Operation crossroads (*Motion picture*) U. S. Dept. of the Navy, 1949.

Operation Greenhouse (*Motion picture*) U. S. Atomic Energy Commission, 1952. Made by U. S. Dept. of the Air Force.

Operation Sandstone (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by U. S. Dept. of the Air Force.

Target Nevada (*Motion picture*) U. S. Dept. of the Air Force, 1953.

ATOMIC BOMB SHELTERS

Group shelter (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by U. S. Dept. of Agriculture.

The wonderful world of food (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

ATOMIC ENERGY

see also Nuclear engineering; Nuclear reactors

Atoms for peace. Part 1: Introducing the atom (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

Atoms for peace. Part 4: Scientific advancement (*Motion picture*) U. S. Information Agency, 1956. Made by Information Productions. Released for public educational use in the United States through U. S. Office of Education, 1957.

The petrified river: The story of uranium (*Motion picture*) U. S. Bureau of Mines, 1956.

—BIBLIOGRAPHY

Technical information services of the AEC (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by U. S. Dept. of Agriculture.

—INDUSTRIAL APPLICATIONS

Industrial applications of nuclear explosives (*Motion picture*) U. S. Atomic Energy Commission, 1958.

—RESEARCH see Atomic energy research

ATOMIC ENERGY IN AGRICULTURE

Fallout and agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Roundup (*Motion picture*) U. S. Dept. of Agriculture, 1960.

ATOMIC ENERGY RESEARCH

The Argonaut (*Motion picture*) U. S. Atomic Energy Commission, 1957.

Atoms for peace. Part 5: Working together (*Motion picture*) U. S. Information Agency, 1957. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education.

Research reactors—USA (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Lytle Corp.

ATOMIC FUEL see Nuclear fuels

ATOMIC NUCLEI see Nuclear physics

ATOMIC PILES see Nuclear reactors

ATOMIC POWER

see also Automatic meteorological stations—Nuclear power plants; Controlled fusion

Atoms for peace. Part 4: Scientific advancement (*Motion picture*) U. S. Information Agency, 1956. Made by Information Productions. Released for public educational use in the United States through U. S. Office of Education, 1957.

ATOMIC POWER ENGINEERING see Nuclear engineering

ATOMIC POWER INDUSTRY

Atoms for peace. Part 7: Atomic power and the United States (*Motion picture*) U. S. Information Agency, 1958. Made by Information Film Producers. Released for public educational use in the United States through U. S. Office of Education, 1959.

ATOMIC POWER-PLANTS (SPACE VEHICLES) see Space vehicles—Nuclear power plants

ATOMIC-POWERED AUTOMATIC WEATHER STATIONS see Automatic meteorological stations—Nuclear power plants

ATOMIC RESEARCH see Atomic energy research

ATOMIC SHELTERS see Atomic bomb shelters

ATOMIC SUBMARINES

Polaris, Blue and Gold (*Motion picture*) U. S. Dept. of the Navy, 1962.

ATOMIC WARFARE

see also Air warfare; Atomic weapons; Hydrogen bomb

ABC warfare defense ashore: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

The Air Force story: The Air Force and the atom bomb (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The chemical, biological, and radiological element (*Motion picture*) U. S. Dept. of the Army, 1962.

Individual protection against atomic attack (*Motion picture*) U. S. Dept. of the Army, 1958.

—SAFETY MEASURES

Radiological defense in civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1960.

Radiological surveys (*Motion picture*) U. S. Dept. of the Army, 1960.

ATOMIC WEAPONS

see also Atomic bomb; Ballistic missiles Hydrogen bomb

Atomic tests in Nevada (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

Atomic weapons and fire (*Motion picture*) U. S. Dept. of the Army, 1961.

—SAFETY MEASURES

Individual protection against atomic attack (*Motion picture*) U. S. Dept. of the Army, 1958.

Individual protection against CBR attack (*Motion picture*) U. S. Dept. of the Army, 1962.

ATOMIC WEATHER STATIONS see Automatic meteorological stations—Nuclear power plants

ATTACHÉS

Marketing farm products abroad (*Motion picture*) U. S. Dept. of Agriculture, 1957.

ATTACK AND DEFENSE (MILITARY SCIENCE)

see also Civilian defense; Coast defenses

The reinforced rifle platoon in the attack of a built up area. Part 2: The attack (*Motion picture*) U. S. Dept. of the Army, 1954.

ATTITUDE (PSYCHOLOGY)

Point of view (*Motion picture*) U. S. Office of Education, 1962. Made by University of Illinois.

AUDIO-VISUAL EDUCATION

see also Languages, Modern—Study and teaching—Audio visual aids; Visual education

Audio-visual aids to learning (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1951.

New eyes and new ears (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

AUDIOMETRY

Hearing evaluation and rehabilitation (*Motion picture*) U. S. Dept. of the Army, 1960.

How to take an audiometer test (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AUSTRALIA

Australia (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

AUSTRIA

Austria (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

AUTOGENOUS WELDING see Welding

AUTOMATIC DIGITAL COMPUTERS see Electronic digital computers

AUTOMATIC METEOROLOGICAL STATIONS

—NUCLEAR POWER PLANTS

Atomic weatherman: Strontium-90 isotopic applications (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by Martin Marietta Corp.

AUTOMATIC PILOT (HELICOPTERS)

HSS automatic stabilization equipment (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sun Dial Films.

AUTOMATIC PRODUCTION see Automation

AUTOMATIC SPRINKLERS see Fire sprinklers

AUTOMATIC TEACHING see Teaching machines

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATIC TRANSMISSIONS, AUTOMOBILE see Automobiles—Transmission devices, Automatic

AUTOMATIC WEATHER STATIONS see Automatic meteorological stations

AUTOMATION

see also Systems engineering

Automation (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

Automation on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Mr. Push-a-button (*Motion picture*) U. S. Dept. of the Navy, 1961.

AUTOMATION OF INSTRUCTION see Teaching machines

AUTOMOBILE ACCIDENTS see Traffic accidents

AUTOMOBILE DRIVERS

see also Motor bus drivers

Bus care and maintenance (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

Bus care and maintenance (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

Defensive driving: Tailgating, left turns, parked cars (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Defensive driving: Tailgating, left turns, parked cars (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

How to prevent private vehicle accidents (*Motion picture*) U. S. Dept. of the Army, 1962.

The operator and his job (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his job (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his passengers (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his passengers (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

Passengers, driving hazards, safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

AUTOMOBILE DRIVERS (Continued)

Safe driving in bad weather. Part 1: Light vehicles (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Safe driving in Europe (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Safety practices for the motor vehicle driver—non-military driving (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Your driving habits (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Your driving habits (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

AUTOMOBILES

see also Motor buses; Motor-trucks

—DESIGN AND CONSTRUCTION

Know your car (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Know your car (*Filmstrip*) U. S. Office of Education, 1945 Made by Jam Handy Organization.

—ELECTRIC EQUIPMENT

Automotive electricity for military vehicles. Part 2: Principles of operation of the generator (*Motion picture*) U. S. Dept. of the Army, 1957.

The battery, ignition, and electrical system (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The battery, ignition, and electrical system (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

—FUEL SYSTEMS

see also Carburetors

Supercharging and fuel injection (*Motion picture*) U. S. Dept. of the Army, 1956.

—IGNITION

see also Magneto

Principles of operation of the automotive magneto (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

—LUBRICATION

The why of automotive lubrication (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1952.

—MAINTENANCE

The battery, ignition, and electrical system (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The battery, ignition, and electrical system (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments (*Motion picture*) U. S. War Dept., 1943.

The clutch and hand brake (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

The clutch and hand brake (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

The cooling system and fuel system (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The cooling system and fuel system (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The engine assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The engine assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Engine tests and tune up (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Engine tests and tune up (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The hydraulic brake system (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

The hydraulic brake system (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

Introduction to preventive maintenance (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Introduction to preventive maintenance (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Keeping your car fit (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Keeping your car fit (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

The periodic check-up (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

The periodic check-up (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Steering, wheels, front and rear axles (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

Steering, wheels, front and rear axles (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

Transmission, drive shaft, and differential (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

Transmission, drive shaft, and differential (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

Trouble shooting your car (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Trouble shooting your car (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

—MOTORS

Automotive trouble shooting. Part 2: Engine tune-up (*Motion picture*) U. S. Dept. of the Army, 1956.

The engine assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

The engine assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

—MOTORS—SUPERCHARGERS

Supercharging and fuel injection (*Motion picture*) U. S. Dept. of the Army, 1956.

—STEERING GEAR

Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments (*Motion picture*) U. S. War Dept., 1943.

Hydraulic steering, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1956.

Steering, wheels, front and rear axles (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

Steering, wheels, front and rear axles (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

—TRANSMISSION DEVICES

Planetary gears, principles of operation. Part 1: Single sets (*Motion picture*) U. S. Dept. of the Army, 1953.

Torque converter, principles of operation (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

Transmission, drive shaft, and differential (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

Transmission, drive shaft, and differential (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

—TRANSMISSION DEVICES, AUTOMATIC

The fluid coupling, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1954.

Hydraulic controls in the hydramatic transmission (*Motion picture*) U. S. Dept. of the Army, 1955.

—WHEELS

Front end alignment (*Motion picture*) U. S. War Dept., 1943.

Steering, wheels, front and rear axles (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

Steering, wheels, front and rear axles (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

AUTOMOBILES, MILITARY

Automotive electricity for military vehicles. Part 4: The ignition circuit (*Motion picture*) U. S. Dept. of the Army, 1957.

Automotive trouble shooting. Part 2: Engine tune-up (*Motion picture*) U. S. Dept. of the Army, 1956.

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTOPSY

see also Death—Causes

Basic autopsy procedure (*Motion picture*) U. S. Dept. of the Army, 1951.

AVALANCHES

Avalanches to order (*Motion picture*) U. S. Dept. of Agriculture, 1950.

AVERAGE

Beginning algebra 1, lecture 7: Statistical averages; addition and subtraction of directed numbers (*Motion picture*) U. S. Dept. of Defense, 1956.

AVIATION see Aeronautics

AVIATION GASOLINE see Aeroplanes—Fuel

AVIATION MECHANICS (PERSONS)

The airplane mechanic (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

The airplane mechanic (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

AVIATION MEDICINE

see also Aeronautics—Psychology; Flight—Physiological aspects; Space medicine

The ABC of G (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Associated Screen News. Released for public educational use through U. S. Office of Education, 1948.

Cardio pulmonary patient & air travel (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Decompression sickness in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.

"G" facts (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Man in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Night vision for airmen (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

World-wide physiological data transmission (*Motion picture*) U. S. Navy Dept., 1958.

—RESEARCH

Aero medical research (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AVIATION PHYSIOLOGY see Flight —Physiological aspects

AVIATORS see Air pilots

AVIGATION see Navigation (Aeronautics)

AVOCATIONS see Hobbies

AYMARA INDIANS

High plain (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

AZALEA (BUOY TENDER)

Coast Guard Azalea (*Motion picture*) U. S. Coast Guard, 1960.

AZIMUTH

The azimuth circle and pelorus (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

AZIMUTH (Continued)

Map reading, basic: Azimuth conversion (*Motion picture*) U. S. Dept. of the Army. 1957.

Map reading, basic: Azimuths (*Motion picture*) U. S. Dept. of the Army, 1957.

B

BABIES see Infants

BACH CHOIR, BETHLEHEM, PA.

Voice of a choir (*Motion picture*) U. S. Dept. of State, 1951. Made by Pathescope Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

BACILLUS DIPHTHERIAE

Determination of types of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1950.

Microscopic study and isolation of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1950.

Toxigenicity test of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1962.

BACILLUS LEPRAE

Recognition of leprosy (*Motion picture*) U. S. Public Health Service, 1959.

BACKACHE

Flexion exercises in the management of low back mechanical disorders (*Motion picture*) U. S. Veterans Administration, 1956.

BACKBONE see Spine

BACTERIA

see also Viruses

Basic biology of bacteria (*Filmstrip*) U. S. Public Health Service, 1950.

Studies in bacteriology. Part 2: Mobility (*Motion picture*) U. S. Public Health Service, 1953.

Studies in bacteriology. Part 3: Cell division (*Motion picture*) U. S. Public Health Service, 1953.

BACTERIA, AEROBIC

An outbreak of Salmonella infection (*Motion picture*) U. S. Public Health Service, 1954.

Simplified serologic identification of Salmonella cultures (*Filmstrip*) U. S. Public Health Service, 1951.

Simplified serologic identification of Shigella cultures (*Filmstrip*) U. S. Public Health Service, 1951.

BACTERIA, PATHOGENIC

see also Rickettsia; Streptococcus

The enemy bacteria (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1948.

BACTERIAL WARFARE see Biological warfare

BACTERIAL WHITE DIARRHEA see Pullorum disease

BACTERIOLOGY

see also Germ theory of disease; Immunity; Medicine, Preventive; Sewage —Purification; Staphylococcus; Surgery, Aseptic and antiseptic

—CULTURES AND CULTURE MEDIA

Collection of specimens from the eye, nose, and throat (*Filmstrip*) U. S. Public Health Service, 1952.

Microscopic study and isolation of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1950.

Preparation of a culture medium (*Motion picture*) U. S. Public Health Service, 1949.

Preparation of a culture medium (*Filmstrip*) U. S. Public Health Service, 1949.

Simplified serologic identification of Salmonella cultures (*Filmstrip*) U. S. Public Health Service, 1951.

Simplified serologic identification of Shigella cultures (*Filmstrip*) U. S. Public Health Service, 1951.

Typing of tubercle bacilli by animal inoculation (*Motion picture*) U. S. Public Health Service, 1950.

Typing of tubercle bacilli by animal inoculation (*Filmstrip*) U. S. Public Health Service, 1950.

—TECHNIQUE

see also Sterilization

Determination of types of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1950.

Determination of types of C. diphtheriae (*Filmstrip*) U. S. Public Health Service, 1951.

The high speed blender (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.

The hypodermic syringe (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.

Infectious hazards of bacteriological techniques (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

The inoculating needle (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

The inoculating needle (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

Isolation and identification of beta hemolytic streptococci (*Filmstrip*) U. S. Public Health Service, 1957.

The lyophilizer (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

The pipette (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

Preservation of bacteria by desiccation in vacuo (*Motion picture*) U. S. Public Health Service, 1949.

Toxigenicity test of C. diphtheriae (*Motion picture*) U. S. Public Health Service, 1962.

BAINBRIDGE, MD. NAVAL PREPARATORY SCHOOL see U. S. Naval Preparatory School, Bainbridge, Md.

BAKERS AND BAKERIES

—EQUIPMENT AND SUPPLIES

New mobile bakery equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

BALANCE

Basic principles of the analytical balance (*Motion picture*) U. S. Public Health Service, 1951.

Basic principles of the analytical balance (*Filmstrip*) U. S. Public Health Service, 1951.

BALL STATE TEACHERS COLLEGE, MUNCIE, IND. see Indiana. Ball State Teachers College, Muncie

BALLISTIC MISSILES

see also Minuteman (Missile)

Ballistic missile and space program (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Ballistic missile trajectories (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Logistic support management for advanced weapons (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Silent sentinel (*Motion picture*) U. S. Dept. of the Navy, 1959.

The X-17 story (*Motion picture*) U. S. Dept. of the Air Force, 1958.

BALLISTIC PHOTOGRAPHY see Photography, Ballistic

BALLISTICS

see also Gunnery; Ordnance; Shooting, Military

Fundamentals of ballistics (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

BALLOONS

see also Aeronautics

L. T. A. history: Balloons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Metro-Goldwyn-Mayer. Released for public educational use through U. S. Office of Education, 1948.

BAND SAWS

Chantournage d'une courbe renversée et d'une courbe renversée biseautée (*Motion picture*) U. S. Office of Education, 1951.

Filing an internal irregular shape (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Filing an internal irregular shape (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Sawing a reverse curve and a bevel reverse curve (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Sawing a reverse curve and a bevel reverse curve (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Sawing an internal irregular shape (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Sawing an internal irregular shape (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Sawing template metal (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Sawing with jig and changing band (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Sawing with jig and changing band (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Sciage avec gabarit et changement de ruban (*Motion picture*) U. S. Office of Education, 1951.

BANDAGES AND BANDAGING

see also Plaster casts, Surgical; Splints (Surgery)

Bandaging. Part 1: Triangular bandage (*Filmstrip*) U. S. War Dept., 1945.

Bandaging. Part 2: Roller bandage (*Filmstrip*) U. S. War Dept., 1945.

Bandaging for hospital corpsmen (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1954.

New products from agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Surgical dressings (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

BANG'S DISEASE see Brucellosis in cattle

BANNERS see Flags

BARBITURATES

A phenomenological analysis of catatonic expression (*Motion picture*) U. S. Veterans Administration, 1960.

BARGES

Self-elevating spud type barge (*Motion picture*) U. S. Army Engineers, 1954.

BARK-BEETLES

Battle of the beetles (*Motion picture*) U. S. Dept. of Agriculture, 1952.

BARTON, CLARA HARLOWE, 1821-1912

Armed forces screen magazine—Linguists in uniforms and Clara Barton, angel of mercy (*Motion picture*) U. S. Dept. of Defense, 1962.

BASAL METABOLISM

Performing the BMR test (*Motion picture*) U. S. Dept. of the Air Force, 1958.

BASEBALL

I & E screen magazine, no. 576 (*Motion picture*) U. S. Dept. of Defense, 1959.

BATAN ISLANDS, PHILIPPINE ISLANDS

Loran comes to Batan (*Motion picture*) U. S. Coast Guard, 1955.

BATHS

see also Hydrotherapy; Swimming pools

Basic care of patients. Part 2: The bed bath (*Motion picture*) U. S. Dept. of the Army, 1957.

Bathing the patient: Home care (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Bathing the patient: Home care (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

The bed bath (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

BATHYTHERMOGRAPH

Military oceanography: Bathythermograph observations (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

BATTERIES, ELECTRIC see Electric batteries; Storage batteries

BATTLE DAMAGE REPAIR (WARSHIPS) see Damage control (Warships)

BEACONS

see also Light-ships; Lighthouses

Buoys and beacons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

BEANS

see also Soy-bean

Community canning (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Community canning (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

It's a snap (*Motion picture*) U. S. Dept. of Agriculture, 1952.

BEARINGS (MACHINERY)

see also Friction; Lubrication and lubricants; Roller bearings

Bearing disassembly and inspection (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearing reassembly (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearing removal and inspection, 8–268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearings (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearings (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Connecting rods, crankshafts, bearings, and crankcases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Fitting and scraping small bearings (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

Fitting and scraping small bearings (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Removal and replacement of main bearings (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

BEARS

Little Smokey (*Motion picture*) U. S. Dept. of Agriculture, 1953.

BEASTS see Zoology

BEAVERS

Soil and water conservation by the beaver (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

BEDMAKING

Basic care of patients. Part 3: Making an occupied bed (*Motion picture*) U. S. Dept. of the Army, 1957.

Making a recovery bed (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

Making an unoccupied bed (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

Making the occupied bed (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

BEE CULTURE

see also Bees; Honey

First lessons in beekeeping (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

Realm of the honeybee (*Motion picture*) U. S. Dept. of Agriculture, 1932.

Transferring bees to movable-frame hives (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

BEEF

Canning beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Canning beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting a forequarter of beef (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Cutting a hindquarter of beef (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Cutting and boning a forequarter of beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting and boning a forequarter of beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting and boning a hindquarter of beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting and boning a hindquarter of beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Découpage et désossement d'un quartier arrière de boeuf (*Motion picture*) U. S. Office of Education, 1955.

Découpage et désossement d'un quartier avant de boeuf (*Motion picture*) U. S. Office of Education, 1955.

—GRADING

When it's your turn at the meat counter (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

BEEF CATTLE RESEARCH STATION, FRONT ROYAL, VA. see U. S. Beef Cattle Research Station, Front Royal, Va.

BEES

see also Bee culture; Honey

The anatomy of the honeybee (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Realm of the honeybee (*Motion picture*) U. S. Dept. of Agriculture, 1932.

—DISEASES

Diagnosis of bee diseases in the apiary (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

BEHAVIOR see Conduct of life; Etiquette

BEHAVIOR (PSYCHOLOGY) see Animals, Habits and behavior of

BELGIUM

The Benelux countries (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Introducing Belgium (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

BELL-BUOYS see Buoys

BELO HORIZONTE, BRAZIL

Belo Horizonte (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

BELT CONVEYORS see Conveying machinery

BENNINGTON COLLEGE, BENNINGTON, VT.

Bennington College (*Motion picture*) U. S. Dept. of State, 1952. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education.

BERKSHIRE MUSIC CENTER, STOCKBRIDGE, MASS.

Tanglewood, music school and music festival (*Motion picture*) U. S. Dept. of State, 1950. Made by MPO Productions. Released for educational use in the United States through U. S. Office of Education, 1951.

BERKSHIRE SYMPHONIC FESTIVAL

Tanglewood, music school and music festival (*Motion picture*) U. S. Dept. of State, 1950. Made by MPO Productions. Released for educational use in the United States through U. S. Office of Education, 1951.

BERLIN

Armed Forces screen magazine, no. 517 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Operation vittles (*Motion picture*) U. S. Dept. of the Air Force, 1948.

BIBLE

—NATURAL HISTORY

The land and the Book (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

BIKINI ISLAND

Bikini — radiological laboratory (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by University of Washington.

Operation crossroads (*Motion picture*) U. S. Dept. of the Navy, 1949.

BILE-DUCTS

—RADIOGRAPHY

Operative cholangiography (*Motion picture*) U. S. Veterans Administration, 1955.

BILHARZIOSIS see Schistosomiasis

BILL OF RIGHTS (U. S.) see U. S. Constitution, 1st-10th amendments

BINARY SYSTEMS (MATHEMATICS)

Digital computer techniques: Computer logic (*Motion picture*) U. S. Dept. of the Navy, 1962.

BIOLOGICAL SPECIMENS

—COLLECTION AND PRESERVATION

Collecting specimens for virus diagnosis (*Filmstrip*) U. S. Public Health Service, 1956.

BIOLOGICAL WARFARE

ABC warfare defense ashore: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

BIOLOGICAL WARFARE (Continued)

The chemical, biological, and radiological element (*Motion picture*) U. S. Dept. of the Army, 1962.

—SAFETY MEASURES

Individual protection against CBR attack (*Motion picture*) U. S. Dept. of the Army, 1962.

BIOLOGY

see also Space biology

—STUDY AND TEACHING (SECONDARY)

Biology plus (*Motion picture*) U. S. Office of Education, 1962. Made by University of Illinois.

BIRDS

see also Water-birds

Birds; their value to agriculture (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. Fish and Wildlife Service, 1947.

BIRDS, PROTECTION OF

see also Game protection

Behind the flyways (*Motion picture*) U. S. Fish and Wildlife Service, 1951.

Birds; their value to agriculture (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. Fish and Wildlife Service, 1947.

BITES, VENOMOUS see Venom—Physiological effect

BITUMINOUS COAL

Powering America's progress: A modern story of bituminous coal (*Motion picture*) U. S. Bureau of Mines in cooperation with Bituminous Coal Institute, 1952.

BLACK MARKET

Black marketing (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

BLACKSMITHING

see also Forging; Horseshoeing; Welding

Basic blacksmith operations (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

The blacksmith: Calculating and bending rings and links (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

The blacksmith: Calculating and forging a deck socket wrench (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

BLADDER

—SURGERY

Uretero-ileo-urethral anastomosis—a bladder substitute (*Motion picture*) U. S. Veterans Administration, 1959.

BLASTING

see also Explosives

Dynamite (*Motion picture*) U. S. Public Health Service, 1944.

BLASTOMYCOSIS

Blastomyces dermatitidis (*Filmstrip*) U. S. Public Health Service, 1954.

BLASTOMYCOSIS, BRAZILIAN see Coccidioidosis

BLEEDING see Hemorrhage

BLIND

see also Children, Blind

—EDUCATION

My child is blind (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

—EMPLOYMENT

Employing blind workers in industry (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

Instructing the blind worker on the job (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

—REHABILITATION

The long cane. Part 1: Indoors (*Motion picture*) U. S. Veterans Administration, 1954.

The long cane. Part 2: Outdoors (*Motion picture*) U. S. Veterans Administration, 1954.

Rehabilitation of the blind (*Motion picture*) U. S. Dept. of State, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

BLIND FLYING see Instrument flying

BLIND LANDING see Ground controlled approach; Instrument landing systems

BLOOD

see also Hemorrhage

Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock) (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Film Graphics.

—ANALYSIS AND CHEMISTRY

see also Hypercapnia

Chemical techniques: Estimation of blood glucose; Folin-Wu and Somogyi methods (*Motion picture*) U. S. Dept. of the Navy, 1956.

Chemical techniques: Estimation of blood glucose; Sunderman-Fuller method (*Motion picture*) U. S. Dept. of the Navy, 1956.

Chemical techniques: Measurement of total iron in whole blood; estimation of iron (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Measurement of total iron in whole blood; preparation of a calibration curve (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Measurement of total iron in whole blood; preparation of reagents (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Oxyhemoglobin method for measuring hemoglobin (*Motion picture*) U. S. Dept. of the Navy, 1955.

Collection of blood specimens for serological examination (*Filmstrip*) U. S. Public Health Service, 1952.

—CIRCULATION

see also Pulse; Veins

Respiration and circulation (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock) (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Film Graphics.

—COLLECTION AND PRESERVATION

Hematological technique: Collecting blood samples (*Motion picture*) U. S. Dept. of the Navy, 1954.

—EXAMINATION

see also Blood groups

Hematological technique for charging the hemocytometer (*Motion picture*) U. S. Dept. of the Navy, 1954.

—PARASITES

Infective larvae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.

The laboratory diagnosis of schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1946.

Microfilariae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.

Miracidia of Schistosoma japonicum (*Motion picture*) U. S. Public Health Service, 1947.

Schistosomes in the primary host (*Motion picture*) U. S. Public Health Service, 1948.

Schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1945.

—TRANSFUSION

Preparation and use of human plasma (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1948.

BLOOD GROUPS

Fundamentals of the human blood groups (*Filmstrip*) U. S. Public Health Service, 1954.

BLOOD PLASMA

Determination of carbon dioxide power with Van Slyke gas apparatus (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Preparation and use of human plasma (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1948.

BLOOD PRESSURE

see also Blood—Circulation

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

—MEASUREMENT

Blood pressure readings (*Motion picture*) John Hopkins School of Hygiene and Public Health in cooperation with U. S. Public Health Service, 1958. Released by U. S. Public Health Service, 1963.

BLOOD SUBSTITUTES see Blood plasma

BLOOD-VESSELS

see also Arteries; Veins

—SURGERY

Replacement of abdominal aorta with homotransplant (*Motion picture*) U. S. Veterans Administration, 1956.

BLUE-PRINTS

Interpretación de un plano en tres proyecciónes (*Motion picture*) U. S. Office of Education [1959?]

Making a wire template (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Making a wire template (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Principal dimensions, reference surfaces and tolerances (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Principal dimensions, reference surfaces and tolerances (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Reading a drawing of a valve bonnet (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Reading a drawing of a valve bonnet (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Reading a three-view drawing (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Reading a three-view drawing (*Filmstrip*) U. S. Office of Education, 1946. Made by Ray-Bell Films.

Sectional views and projections, finish marks (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Sectional views and projections, finish marks (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

BLUE-PRINTS (Continued)

Ship's blueprints: Basic (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Ship's blueprints: Basic (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Visualización de un objeto (*Motion picture*) U. S. Office of Education ₍1950?₎

Visualizing an object (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Visualizing an object (*Filmstrip*) U. S. Office of Education, 1946. Made by Ray-Bell Films.

BOATS AND BOATING

see also Aquatic sports; Fishing boats; Life-boats; Motor-boats; Rowing; Submarine boats

Water wisdom (*Motion picture*) U. S. Tennessee Valley Authority, 1953. Made by Southern Educational Film Production Service.

—SAFETY MEASURES

Boating safety, part A (*Motion picture*) U. S. Coast Guard, 1963.

Boating safety, part B (*Motion picture*) U. S. Coast Guard, 1962.

Boating safety, part C: Safety equipment (*Motion picture*) U. S. Coast Guard, 1963.

BODY MECHANICS see Posture

BODY TEMPERATURE

see also Thermometers and thermometry, Medical

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

BOILING WATER REACTORS

BORAX: Construction and operation of a boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

Construction of the experimental boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1957.

The experimental boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1957.

Safety experiments with a boiling reactor (*Motion picture*) U. S. Atomic Energy Commission, 1956.

BOLLING AIR FORCE BASE, WASHINGTON, D. C. see U. S. Bolling Air Force Base, Washington, D. C.

BOLTS AND NUTS

Making an anchor bolt (*Motion picture*) U. S. Veterans Administration, 1949.

BOMB DAMAGE IN INDUSTRY see War damage, Industrial

BOMB RECONNAISSANCE

Explosive ordnance reconnaissance (*Motion picture*) U. S. Dept. of the Army, 1957.

BOMB SHELTERS see Atomic bomb shelters

BOMBERS

Armed Forces screen magazine, no. 508 (*Motion picture*) U. S. Dept. of Defense, 1953.

B-47 pilot's familiarization (*Motion picture*) U. S. Dept. of the Air Force, 1952.

Bomber (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

Combat recognition (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Give me a second station (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Tactical bomber in all-weather operations (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Tactical day fighter and fighter bomber operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.

—DESIGN AND CONSTRUCTION

Building a bomber (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

BOMBING, AERIAL

see also Bombing and gunnery ranges

Air siege (*Motion picture*) U. S. Dept. of the Air Force, 1947.

A fighting lady speaks (*Motion picture*) U. S. Dept of the Navy, 1950.

Men and planes (*Motion picture*) U. S. Dept. of the Air Force, 1955.

On target (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Target for today (*Motion picture*) U. S. Army Air Forces, 1944.

Target Tokyo (*Motion picture*) U. S. Dept. of the Air Force, 1948.

BOMBING AND GUNNERY RANGES

The Pacific missile range (*Motion picture*) U. S. Dept. of the Navy, 1960.

BONE-GRAFTING

Construction of screw lock sectional splint (*Motion picture*) U. S. Dept. of the Army, 1947.

BONE MARROW see Marrow

BONES

see also Fractures; Humerus; Skull; Spine; Tibia

Anatomy and physiology: The skeletal system (*Filmstrip*) U. S. Dept. of the Army, 1955.

BONIN ISLANDS

Carolines, Marianas, Bonin Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

BOOK ILLUSTRATION see Illustration of books

BOOK INDUSTRIES AND TRADE

Books for everyone (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

BOOKS AND READING

see also Libraries

Books for everyone (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

BORDER LIFE see Frontier and pioneer life

BORING

see also Core drilling; Wells

The drilled well: Sanitary aspects (*Filmstrip*) U. S. Public Health Service, 1954.

Drilling a well by the percussion method (*Motion picture*) U. S. Public Health Service, 1952.

Operating a mobile well boring rig (*Motion picture*) U. S. Public Health Service, 1953.

BORNEO

Borneo and Celebes (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

BOTTLES

Chemical techniques: Volumetric flasks (*Motion picture*) U. S. Dept. of the Navy, 1955.

BOXES

Packaging and packing: Fully sheathed crates (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Nailed wood boxes (*Filmstrip*) U. S. Dept. of the Army, 1960.

Wirebound wood boxes and crates (*Filmstrip*) U. S. Dept. of the Army, 1961.

BRACHIAL NERVES see Nerves, Brachial

BRADY, MATHEW B., 1823 (ca.)-1896

I & E screen magazine, no. 552 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

BRAIN

see also Nervous system

—INFLAMMATION

Arthropod-borne virus encephalitides (*Motion picture*) U. S. Dept. of the Army, 1947.

An introduction to arthropod-borne encephalitis (*Motion picture*) U. S. Public Health Service, 1957.

Teschen disease (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1953. Made by Byron, inc.

—SURGERY

Behavioral changes following paleocortical injury in rodents, carnivores, and primates (*Motion picture*) U. S. Dept. of the Army, 1963.

BRAKES

see also Air-brakes; Hydraulic brakes

Adjusting mechanical brakes (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Application of Pascal's law, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

The hydraulic brake system (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

The hydraulic brake system (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

Inspecting and adjusting hydraulic brakes (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Inspecting and adjusting hydraulic brakes (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing and relining mechanical brakes (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing and relining mechanical brakes (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

BRANCH LIBRARIES see Libraries—Branches, delivery stations, etc.

BRANDING OF CATTLE see Cattle—Marking

BRASS

Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off (*Motion picture*) U. S. Veterans Administration, 1949.

Turning brass with hand gravers. Part 2: Turning straight and square shoulders (*Motion picture*) U. S. Veterans Administration, 1949.

BRAVERY see Courage

BRAZIL

Brazil (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

BRAZILIAN NEWSPAPERS

Brazil gets the news (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Brazil Tourist Information Bureau, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

BRAZING

see also Silver brazing; Solder and soldering

Brazing carbide tools (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Brazing carbide tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Brazing flanges with silver solder (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with silver solder (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with spelter (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with spelter (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

BREADSTUFFS see Grain

BREAST

—CANCER

Breast cancer: The problem of early diagnosis (*Motion picture*) American Cancer Society and U. S. National Cancer Institute, 1949. Made by Audio Productions.

Breast self-examination (*Motion picture*) American Cancer Society and National Cancer Institute of the U. S. Public Health Service, 1950. Produced by Audio Productions.

—SURGERY

Mammaplasty (*Motion picture*) U. S. Dept. of the Navy, 1958.

—TUMORS

Breast self-examination (*Motion picture*) American Cancer Society and National Cancer Institute of the U. S. Public Health Service, 1950. Produced by Audio Productions.

BREATHING see Respiration

BREATHING APPARATUS see Respirators

BREEDER REACTORS

EBR-1 core disassembly after meltdown (*Motion picture*) U. S. Atomic Energy Commission, 1958.

EBR-2 fuel cycle development (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Experimental breeder reactor 1, mark 3 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

BRIDGEPORT, CONN.

A community advisory service (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

BRIDGER MOUNTAINS

Wilderness trail (*Motion picture*) U. S. Dept. of Agriculture, 1961.

BRIDGES, MILITARY see Military bridges

BRILL'S DISEASE see Typhus fever

BROACHING MACHINES

Broaching an internal keyway (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Broaching an internal keyway (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Double ram vertical surface broaching (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Double ram vertical surface broaching (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Single ram vertical surface broaching (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Single ram vertical surface broaching (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

BROCCOLI

Freezing broccoli and corn-on-the-cob (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

BROILERS (POULTRY)

The American broiler-fryer—modern food miracle (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

BRONCHI

—CANCER

Block dissection and pneumonectomy for bronchogenic carcinoma, left side (*Motion picture*) U. S. Veterans Administration, 1958.

Bronchiogenic carcinoma (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

BRONCHIECTASIS

Management and technique of pulmonary lobectomy (*Motion picture*) U. S. Dept. of the Army, 1947.

BRONCHOSCOPE AND BRONCHOSCOPY

Simple method for tracheal suction and bronchoscopy (*Motion picture*) U. S. Dept. of the Army, 1961.

BROOKE ARMY MEDICAL CENTER see U. S. Army. Brooke Army Medical Center, Fort Sam Houston, Tex.

BROWNING MACHINE-GUN

Browning machine gun caliber .30: Principles of operation (*Motion picture*) U. S. Dept. of the Army, 1954.

BRUCELLOSIS

Traceback (*Motion picture*) U. S. Dept. of Agriculture, 1960.

BRUCELLOSIS IN CATTLE

Back the attack on brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Brucellosis ring test (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Epidemiology of brucellosis (*Filmstrip*) U. S. Public Health Service, 1952.

Exposed (Brucellosis in problem herds) (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Market cattle testing for brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1962.

The triple threat of brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1951.

BRUCELLOSIS IN MAN see Undulant fever

BUBONIC PLAGUE see Plague

BUBONOCELE see Hernia

BUCKEYE (TRAINING PLANE) see T2J Training plane

BUFFING see Grinding and polishing

BUILDING

see also Architecture; Concrete Construction; Engineering; Foundations; Framing (Building); Scaffolding; Shoring and underpinning; Stair building; Strength of materials

—COLD WEATHER CONDITIONS

Pile testing (*Motion picture*) U. S. Army Engineers, 1958.

BUILDING, ICE AND SNOW

see also Igloos

Undersnow structures (*Motion picture*) U. S. Army Engineers, 1958.

BUILDING, WOODEN

Framing: Floor joists and walls (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

Framing: Hip and valley rafters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

Framing: Rafter principles and common rafters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

BUILDING FITTINGS

see also Door fittings

Interior and exterior trim (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

BUILDING GUARDS see Watchmen

BUILDING TRADES

Apprentice training (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.

BUILDINGS, PREFABRICATED

Building construction, advanced base type (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Frederick K. Rockett Co. Released for public educational use through U. S. Office of Education, 1954.

BULL SHOALS DAM

Bull Shoals Dam (*Motion picture*) U. S. Army Engineers, 1958.

BUOYS

Buoys and beacons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

Sentries of the sea lanes (*Motion picture*) U. S. Coast Guard, 1954.

BURETTES

Chemical techniques: Burettes (*Motion picture*) U. S. Dept. of the Navy, 1955.

BURKE, ARLEIGH ALBERT, 1901-

Admiral Burke takes command (*Motion picture*) U. S. Dept. of the Navy, 1955.

A salute to Arleigh Burke (*Motion picture*) U. S. Dept. of the Navy, 1961.

BURMA ROAD

Road construction and maintenance in CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

BURNING OF LAND

Prescribed burning in the South (*Motion picture*) U. S. Dept. of Agriculture, 1950.

BURNS AND SCALDS

Burns (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

First aid. Part 3: Burns (*Motion picture*) U. S. Dept. of the Army, 1960.

First aid for all hands: Burns (*Motion picture*) U. S. Dept. of the Navy, 1959.

Management of burns. Part 1: Supportive care (*Motion picture*) U. S. Dept. of the Army, 1958.

Management of burns. Part 2: Local care (*Motion picture*) U. S. Dept. of the Army, 1958.

Management of burns, part 3: Skin grafting (*Motion picture*) U. S. Dept. of the Army, 1959.

Management of burns, part 4: Rehabilitation (*Motion picture*) U. S. Dept. of the Army, 1959.

BURROUGHS NEWSBOY FOUNDATION, BOSTON

Burroughs newsboy foundation (*Motion picture*) U. S. Dept. of the Army, 1949. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

BUS DRIVERS see Motor bus drivers

BUSES see Motor buses

BUSINESS CORRESPONDENCE see Commercial correspondence

BUSINESS MACHINES see Office equipment and supplies

BUTYL RUBBER

Rubber from oil (*Motion picture*) U. S. Bureau of Mines in cooperation with Enjay Co., 1966. Made by Campus Film Productions.

BUYERS' GUIDES see Consumer education; Marketing (Home economics); Shopping

C

CABBAGE

see also Broccoli

Ahead of 'em all (*Motion picture*) U. S. Dept. of Agriculture, 1952.

—DISEASES AND PESTS

Diseases of cabbage and related crops (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Cornell University, 1956.

CABLES

Cable splicing. Part 1: The five-tuck navy splice (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

Cable splicing. Part 2: The Roebling roll splice (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

Identifying and precutting cable (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Identifying and precutting cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Making a five tuck splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a five tuck splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a wrapped and soldered splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a wrapped and soldered splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Swaging cable terminals (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Swaging cable terminals (*Filmstrip*) U. S. Office of Education, 1944. Produced by Bray Studios.

CAFETERIAS see Restaurants, lunch rooms, etc.

CAISSON-DISEASES

Decompression sickness in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.

CALAMITIES see Disasters

CALCIUM IN THE BODY

Analysis for calcium (*Motion picture*) U. S. Dept. of the Navy, 1967.

CALIFORNIA

California and its natural resources (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.

CALIFORNIA. UNIVERSITY. UNIVERSITY AT LOS ANGELES

UCLA (*Motion picture*) U. S. Dept. of State, 1948. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

CALIPERS

The micrometer (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Verniers (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

Verniers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

CALLIGRAPHY see Penmanship

CALLISTHENICS

Physical fitness for Waves: Make-up from the neck down (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

CAMBISTRY see Weights and measures

CAMERAS

The basic camera (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

Care and operation of gun cameras (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

CAMOUFLAGE (MILITARY SCIENCE)

Camouflage for scouting and patrolling (*Motion picture*) U. S. Dept. of the Army, 1957.

CAMPAIGNS, PRESIDENTIAL see Presidents —Election

CAMPING

see also Outdoor life

Vision in the forest (*Motion picture*) U. S. Dept. of Agriculture, 1957.

CAMPS, MILITARY

see also Concentration camps

Marine reservists at summer camp (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

CANADA

Canada (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Introducing Canada (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by National Film Board of Canada, Montreal. Released in the United States by U. S. Dept. of State, 1957.

CANCER

Cancer education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

Choose to live (*Motion picture*) U. S. Public Health Service, 1940. Made by U. S. Dept. of Agriculture.

CANCER RESEARCH

Challenge: Science against cancer (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1950. Released in the U. S. by International Film Bureau.

The fight: Science against cancer (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by the National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1951. Released in the U. S. by International Film Bureau, 1953.

CANNED FOODS see Food, Canned

CANNING AND PRESERVING

see also Food, Canned

Canning beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Canning beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Canning chicken (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Canning fruits and tomatoes (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Canning meat (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Canning vegetables the steam-pressure way (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Community canning (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Community canning (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

CANTEENS (RECREATION CENTERS) see Recreation centers

CANVAS

Hatch canopy (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Hatch canopy. Part 1: Measuring and drawing (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Hatch canopy. Part 2: Layout (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Hatch canopy. Part 3: Machining and finishing-off (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

CAPACITORS see Condensers (Electricity)

CAPE COD SHIP CANAL

The Cape Cod Canal story (*Motion picture*) U. S. Army Engineers, 1959.

CAR SERVICE (FREIGHT) see Railroads —Freight; Railroads—Freight-cars

CARAATE see Pinta

CARBON DIOXIDE

Determination of carbon dioxide power with Van Slyke gas apparatus (*Motion picture*) U. S. Dept. of the Air Force, 1957.

CARBURETORS

Carburetion (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

The carburetor, part 1 (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

The carburetor, part 2 (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

The carburetor, part 3 (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

Carburetor, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1956.

Overhauling the carburetor (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

CARCINOMA see Cancer

CARDIAC DISEASES see Heart—Diseases

CARDINAL POINTS

Map reading, basic: Direction (*Motion picture*) U. S. Dept. of the Army, 1957.

CARE, INC.

The CARE story (*Motion picture*) U. S. Dept. of the Army, 1950. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

CARGO DROPPING (AEROPLANE) see Airdrop

CARGO HANDLING

see also Unitized cargo systems

Drafts and slings (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

CARGO PLANES see Transport planes

CARIES, DENTAL see Teeth—Diseases

CAROLINE ISLANDS

Carolines, Marianas, Bonin Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

CAROTID ARTERY

Carotid triangle (*Motion picture*) U. S. Veterans Administration, 1957.

Superficial structures and boundaries of the carotid triangle (*Motion picture*) U. S. Veterans Administration, 1957.

CAROTID GLAND

The surgical treatment of carotid body sensitivity in man (*Motion picture*) U. S. Dept. of the Army, 1951.

CARPETBAG RULE see Reconstruction

CARRIERS, AEROPLANE see Aeroplane carriers

CARROTS

Fourteen carrots (*Motion picture*) U. S. Dept. of Agriculture, 1952.

CARTOGRAPHY

see also Map printing; Map-projection; Maps, Military; Military topography; Nautical charts

Mapping the world (*Motion picture*) U. S. Army Engineers, 1957.

Multiplex mapping, part 1 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Multiplex mapping, part 2 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public education use, 1956.

The preparation of topographic manuscripts for reproduction (*Motion picture*) U. S. Geological Survey, 1952.

Topographic mapping by photogrammetric methods (*Motion picture*) U. S. Geological Survey, 1957.

—SYMBOLS see Maps—Symbols

CASTAWAYS see Survival (after aeroplane accidents, shipwrecks, etc.)

CASTILIAN LANGUAGE see Spanish language

CASTING see Founding; Plaster casts; Plastics—Molding

CATABOLISM see Metabolism

CATAPULT SEATS (AEROPLANES) see Pilot ejection seats

CATARACT

Enzyme assisted cataract surgery (*Motion picture*) U. S. Dept. of the Army, 1961.

CATASTROPHES see Disasters

CATATONIA

A phenomenological analysis of catatonic expression (*Motion picture*) U. S. Veterans Administration, 1960.

CATCH CROPS see Cover crops

CATHETERS

Catheterization technique (*Motion picture*) U. S. Dept. of the Army, 1961.

Catheterizing the male patient (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

CATHODE RAY TUBES

The cathode ray tube: How it works (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

Electromagnetic cathode ray tube: Theory of operation (*Motion picture*) U. S. Dept. of the Navy, 1958.

CATTLE

see also Dairy cattle; Grazing; Stock and stock-breeding; Stock-ranges

—DISEASES

see also Brucellosis in cattle; Foot-and-mouth disease; Rinderpest; Scabies; Tuberculosis in animals

Psoroptic sheep and cattle scabies (*Motion picture*) U. S. Dept. of Agriculture, 1956.

The triple threat of brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—FEEDING AND FEEDS

Comida abundante para todos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Extra feeding pays (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Produza mais alimentos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

—MARKING

Traceback (*Motion picture*) U. S. Dept. of Agriculture, 1960.

CATTLE GRUBS see Warble-flies

CATTLE PLAGUE (RINDERPEST) see Rinderpest

CATTLE-TICK

The threat of the cattle fever tick (*Motion picture*) U. S. Dept. of Agriculture, 1954.

CELEBES

Borneo and Celebes (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

CELL, VOLTAIC see Electric batteries

CELL DIVISION (BIOLOGY)

Studies in bacteriology. Part 3: Cell division (*Motion picture*) U. S. Public Health Service, 1953.

CENSORSHIP OF THE PRESS see Liberty of the press

CENTRAL AMERICA

Good neighbor family (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

CENTRAL VALLEY PROJECT (CALIFORNIA)

Water for the valley (*Motion picture*) U. S. Bureau of Reclamation, 1961.

CENTRALIZATION OF SCHOOLS see Schools—Centralization

CENTRIFUGAL REGULATORS see Governors (Machinery)

CENTRIFUGES

The centrifuge (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1955.

CERAMICS

see also Glass; Pottery

High temperature materials (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

CEREALS see Grain

CERTAINTY see Probabilities

CERTIFICATION OF DEATH see Death—Proof and certification

CESAREAN SECTION

Cesarean hysterectomy (Porro) (*Motion picture*) U. S. Dept. of the Army, 1952.

Cesarean section: Extraperitoneal Pfannenstiel (*Motion picture*) U. S. Dept. of the Army, 1952.

Cesarean section: Extraperitoneal with Cherney modification (*Motion picture*) U. S. Dept. of the Army, 1952.

Cesarean section: Low cervical paramedian incision (*Motion picture*) U. S. Dept. of the Army, 1952.

Caesarean sections (*Motion picture*) U. S. Dept. of the Army, 1953.

CHAGAS' DISEASES see Trypanosomiasis

CHAIN REACTION PILES see Nuclear reactors

CHAPLAINCY SERVICE see U. S. Chaplaincy Service

CHAPLAINS, MILITARY

As deep as the heart (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

The chaplain comes aboard (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

The chaplain story (*Motion picture*) U. S. Dept. of the Army, 1954.

Chaplain U. S. A. (*Motion picture*) U. S. Dept. of the Army, 1955.

Clergymen in uniform (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Jam Handy Organization.

Front line Air Force chaplains (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Warner News.

Naval chapels in the Pacific (*Motion picture*) U. S. Dept. of the Navy, 1948.

Navy chaplains, photo report (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

CHARGED PARTICLE ACCELERATORS see Particle accelerators

CHARITY

Charity (*Motion picture*) U. S. Dept. of the Army, 1959.

CHARTOGRAPHY see Cartography

CHARTS, AERONAUTICAL see Aeronautical charts

CHARTS, NAUTICAL see Nautical charts

CHEMICAL INDUSTRIES

Texas and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.

CHEMICAL LABORATORIES

—SAFETY MEASURES

Chemical lab safety (*Motion picture*) U. S. Public Health Service, 1961.

CHEMICAL WARFARE

see also Decontamination (from gases, chemicals, etc.)

ABC warfare defense ashore: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

The chemical, biological, and radiological element (*Motion picture*) U. S. Dept. of the Army, 1962.

—SAFETY MEASURES

Individual protection against CBR attack (*Motion picture*) U. S. Dept. of the Army, 1962.

Nerve gases. Part 1: Field recognition and self-aid procedures (*Motion picture*) U. S. Dept. of the Army, 1958.

CHEMICALS

—SAFETY MEASURES

Industrial medicine in action: Toxic chemical agents (*Motion picture*) U. S. Dept. of the Air Force, 1960.

CHEMISTRY, DENTAL see Dental chemistry

CHEMISTRY AS A PROFESSION

Challenging careers in chemistry (*Motion picture*) U. S. Dept. of Agriculture, 1962.

CHEMISTRY IN WARFARE see Chemical warfare

CHEMURGY

see also Synthetic products

New uses for farm products (*Motion picture*) U. S. Dept. of Agriculture, 1959.

CHEST

see also Heart; Lungs; Pericardium; Pleura; Respiratory organs

—SURGERY

Resistive exercises in physical therapy for thoracoplasty (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

Therapeutic exercise: Thoracic surgery (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1951.

—WOUNDS AND INJURIES

Sucking wounds of the chest (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.

CHEYENNE, WYO.

—FESTIVALS, ETC.

Frontier days (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

CHICAGO. MUSEUM OF SCIENCE AND INDUSTRY

Museum of Science and Industry (*Motion picture*) U. S. Dept. of State, 1948. Made by Herbert Kerkow Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

CHICKENS see Poultry

CHIEF JOSEPH DAM

Chief Joseph Dam (*Motion picture*) U. S. Army Engineers, 1956.

The power of Chief Joseph (*Motion picture*) U. S. Army Engineers, 1956.

CHILD PSYCHIATRY

Preface to a life (*Motion picture*) U. S. Public Health Service in cooperation with U. S. Office of Education, 1950. Made by Sun Dial Films.

CHILD STUDY

see also Play

Helping teachers to understand children, part 1 (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

Helping teachers to understand children, part 2 (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

CHILDBIRTH

Year of birth (*Motion picture*) U. S. Public Health Service, 1958.

CHILDREN, BLIND

see also Blind—Education

My child is blind (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

CHILDREN IN URUGUAY

Young Uruguay (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S MUSEUMS

Museums for school children (*Motion picture*) U. S. Dept. of the Army, 1950. Made by James & Schwep. Released for public educational use through U. S. Office of Education, 1951.

CHILE

Atacama desert (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

CHILLS AND FEVER see Malarial fever

CHIN

Submandibular and submental triangle (*Motion picture*) U. S. Veterans Administration, 1957.

CHINAWARE see Pottery

CHIROGRAPHY see Penmanship

CHIROTHERAPY see Massage

CHISELS

Care and use of hand tools. Part 6: Metal cutting chisels (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

Chisels (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

CHLORINATION

Functioning of gas feed chlorinators. Part 1: Visible vacuum chlorinator (*Filmstrip*) U. S. Public Health Service, 1954.

Functioning of gas feed chlorinators. Part 2: Volume metering chlorinator (*Filmstrip*) U. S. Public Health Service, 1954.

CHOICE OF BOOKS see Books and reading

CHOICE OF PROFESSION see Vocational guidance

CHRISTMAS MUSIC

The big picture: Christmas in music (*Motion picture*) U. S. Dept. of the Army, 1956.

CHRISTMAS TREES

Selecting your Christmas tree (*Motion picture*) U. S. Dept. of Agriculture, 1954.

A tree grows for Christmas (*Motion picture*) U. S. Dept. of Agriculture, 1949.

A tree grows for Christmas (*Motion picture*) U. S. Dept. of Agriculture, 1953.

CHROMATIC ABERRATION (OPTICS) see Lenses

CHROMITE

Boiler repairs, fire side: Installing plastic chrome ore (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

CHROMIUM-MOLYBDENUM STEEL

Piping fabrication for shipboard high temperature steam systems: Welding (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

CHROMOSOMES

Chromosome labeling by tritium (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

CHRONIC DISEASES

Working together (*Motion picture*) U. S. Public Health Service, 1962.

CHRONOMETER

Time pieces (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

CHYMOTRYPSIN

Enzyme assisted cataract surgery (*Motion picture*) U. S. Dept. of the Army, 1961.

CICADA, PERIODICAL see Periodical cicada

CIRCUITS, ELECTRIC see Electric circuits

CIRCULAR FUNCTIONS see Trigonometric functions

CIRCULAR LETTERS

Circular letters (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

CIRCULATION OF THE BLOOD see Blood —Circulation

CITY AND TOWN LIFE

Ohio town (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

Three cities (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

The town (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

CITY GOVERNMENT see Municipal government

CIVIL ENGINEERING

see also Docks; Drainage; Earthwork; Foundations; Hydraulic engineering; Irrigation; Military engineering; Piers; Piling (Civil engineering); Reclamation of land; Strength of materials; Surveying; Tunnels; Water-supply engineering

—COLD WEATHER CONDITIONS

Seabees in the Antarctic: Base construction and equipment operation (*Motion picture*) U. S. Dept. of the Navy, 1958.

CIVIL LIBERTY see Liberty

CIVIL OBEDIENCE see Government, Resistance to

CIVIL SERVICE

Act of honor (*Motion picture*) U. S. Civil Service Commission with cooperation of the National Archives and the Library of Congress. Released by U. S. Civil Service Commission, 1962.

Working for the U. S. A. (*Motion picture*) U. S. Dept. of the Army, 1957.

CIVILIAN DEFENSE

see also Air raid shelters; Atomic bomb —Safety measures; Atomic bomb shelters; Bomb reconnaissance; Chemical warfare —Safety measures; Decontamination (from gases, chemicals, etc.); Evacuation of civilians; Rescue work

Trapped (*Motion picture*) U. S. Federal Civil Defense Administration, 1954.

CIVILIANS, EVACUATION OF see Evacuation of civilians

CLARK HILL RESERVOIR

Birth of an era (*Motion picture*) U. S. Army Engineers, 1954.

CLASSIFIED DEFENSE INFORMATION see Defense information, Classified

CLAUSTROPHOBIA

A clinical picture of claustrophobia (*Motion picture*) U. S. Veterans Administration, 1952.

CLAVICLE

—SURGERY

Surgical approaches to the sternoclavicular and acromioclavicular joints (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

CLEANING

see also Laundry; Tanks—Cleaning

Cleaning equipment and containers (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

Vapor compression distilling units: Chemical cleaning (*Motion picture*) U. S. Dept. of the Navy, 1958.

CLEANING COMPOUNDS

Fundamentals of detergents (*Filmstrip*) U. S. Public Health Service, 1949.

CLEANLINESS see Baths; Hygiene; Sanitation

CLEARING OF LAND

Land clearing operations (*Motion picture*) U. S. Army Engineers, 1954.

CLINICAL MEDICINE see Medicine, Clinical

CLINICAL RADIOLOGY see Radiology, Medical

CLINICAL THERMOMETERS see Thermometers and thermometry, Medical

CLINICS

see also Dental clinics

Cancer education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

CLINOMETER

Barometer, hygrometer, clinometer (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

CLOTHING, MEN'S see Men's clothing

CLOTHING, PROTECTIVE

see also Pressure suits

ABC warfare defense ashore: Protective clothing for decontamination personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

How to use cold weather clothing (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

U. S. Navy armored life jacket (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

CLOTHING AND DRESS

see also Clothing, Protective; Dressmaking; Men's clothing

What puts a 4-H girl "in"? (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

CLOUDS

Aerology (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Cloud formations: Identification from the air (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.

Clouds (*Motion picture*) U. S. Weather Bureau, 1939.

Clouds and weather (*Motion picture*) U. S. Weather Bureau, 1939.

Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

CLUTCHES (MACHINERY)

see also Couplings

The fluid coupling, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1954.

Flywheel clutch and starting engine clutch (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Grader, motorized, caterpillar no. 12: Adjustment of the main flywheel clutch (*Motion picture*) U. S. Dept. of the Army, 1957.

Ships' propulsion transmission system: Clutches and couplings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

COAL MINES AND MINING

Powering America's progress: A modern story of bituminous coal (*Motion picture*) U. S. Bureau of Mines in cooperation with Bituminous Coal Institute, 1952.

COAL-OIL see Petroleum

COAST DEFENSES

Beach obstacles (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

COASTWISE SHIPPING

Inside passage (*Motion picture*) U. S. Army Engineers, 1949.

COATING COMPOSITIONS see Protective coatings

COBALT

—ISOTOPES

Cobalt-60 reloading (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by George Tressel Productions.

COCCIDIOIDOSIS

see also Blastomycosis

Coccidioides immitis (*Filmstrip*) U. S. Public Health Service, 1953.

Coccidioidomycosis, its epidemiologic and clinical aspects (*Motion picture*) U. S. Public Health Service and Veterans Administration, 1956.

COCKROACHES

Biology and control of the cockroach (*Motion picture*) U. S. Public Health Service, 1960.

Biology and control of the cockroach (*Filmstrip*) U. S. Public Health Service, 1953.

COCOA, FLA. AIR FORCE MISSILE TEST CENTER see U. S. Air Force. Missile Test Center, Cocoa, Fla.

COCONUT

The coconut as food and drink (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

COCONUT-PALM

The coconut as food and drink (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Making useful articles from coconut material (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

COG-WHEELS see Gearing

COLD

see also Heat; Refrigeration and refrigerating machinery

—PHYSIOLOGICAL EFFECT

see also Cold—Therapeutic use

How to use cold weather clothing (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

Prevention of cold injuries (*Motion picture*) U. S. Dept. of the Army, 1958.

Task Force Frigid (*Motion picture*) U. S. Dept. of Defense, 1948.

Task Force Frigid (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Therapeutic uses of heat and cold. Part 2: Administering cold applications (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Therapeutic uses of heat and cold. Part 2: Administering cold applications (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

—THERAPEUTIC USE

Danger! Handle with care (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

COLD-STORAGE LOCKERS

Frozen-food lockers and your food supply (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

COLD WEATHER OPERATIONS (MILITARY) see Transportation, Military—Cold weather conditions; Winter warfare

COLLARBONE see Clavicle

COLLECTIVE SECURITY see Security, International

COLLEGES see Universities and colleges

COLLISIONS, AIRCRAFT see Aeronautics—Accidents

COLLISIONS, AUTOMOBILE see Traffic accidents

COLLISIONS AT SEA

see also Rule of the road at sea; Shipwrecks

The Beaver–Selja incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

City of Rome incident (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

The Halifax incident (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.

The Svea–Newport incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

The Taurus–Gulf Trade incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

The Varanger–Dora Weems incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

—PREVENTION

see also Ships' lights

Meeting at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

COLOMBIA

Colombia, crossroads of the Americas (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

COLON (ANATOMY)

—SURGERY

see also Colostomy

Simple anterior closure of colostomy (*Motion picture*) U. S. Dept. of the Army, 1947.

Simple anterior closure of transverse colostomy (right side) (*Motion picture*) U. S. Dept. of the Army, 1947.

Total colectomy (*Motion picture*) U. S. Veterans Administration, 1957.

COLONIC IRRIGATION see Enema

COLOR-SENSE

see also Retina

Color vision deficiencies: Definition and evaluation (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Audio Productions.

COLORADO RIVER

Corralling the Colorado (*Motion picture*) U. S. Bureau of Reclamation, 1951.

COLORADO RIVER WATERSHED

Key to the future (*Motion picture*) U. S. Bureau of Reclamation, 1960.

COLORS (FLAGS) see Flags

COLOSTOMY

Abdominal colostomy closure (Pauchet method) (*Motion picture*) U. S. Dept. of the Army, 1947.

Colostomy closure (End to end anastomosis) (*Motion picture*) U. S. Dept. of the Army, 1947.

Intra-abdominal closure descending colon colostomy (herniations and multiple openings) (*Motion picture*) U. S. Dept. of the Army, 1947.

Intra-abdominal colostomy closure (right to left side) (*Motion picture*) U. S. Dept. of the Army, 1947.

Management of abdominal colostomies (intraperitoneal closures) (*Motion picture*) U. S. Dept. of the Army, 1947.

Simple anterior closure of colostomy (*Motion picture*) U. S. Dept. of the Army, 1947.

Simple anterior closure of transverse colostomy (right side) (*Motion picture*) U. S. Dept. of the Army, 1947.

Simple closure of an abdominal colostomy (intraperitoneal approach) (*Motion picture*) U. S. Dept. of the Army, 1947.

COLUMBIA RIVER

The Columbia (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1949.

Columbia frontier (*Motion picture*) U. S. Bureau of Reclamation, 1953. Made by U. S. Dept. of Agriculture.

The Columbia: River of planned destiny (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.

Look to the river (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1952.

The power of Chief Joseph (*Motion picture*) U. S. Army Engineers, 1956.

COLUMBIA RIVER WATERSHED

Great river (*Motion picture*) U. S. Bureau of Reclamation, 1963.

COMA

Diabetic coma (*Filmstrip*) U. S. Public Health Service, 1950.

COMBAT

Leadership in action, part 1 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

COMBUSTION

see also Fire; Heat

Circulation in drops (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

Effect of air flow on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

High-speed photographs of autoignition and knock in a spark-ignition reciprocating engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

Photographic studies of preignitionenvironmentand flame initiation in turbojet-engine combustors (*Motion picture*) U. S. National Advisory Committee on Aeronautics, 1953.

Slow-motion study of fuel injection and combustion in a Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1940.

Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.

Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.

A study of air flow in an engine cylinder (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1937.

A study of combustion in a spark-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.

COMMERCIAL CORRESPONDENCE

Take a letter, please (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

COMMUNICABLE DISEASES

see also Bacteriology; Biological warfare; Fleas as carriers of disease; Flies as carriers of disease; Germ theory of disease; Immunity; Lice as carriers of disease; Mosquitoes; Quarantine; Rats as carriers of disease; Ticks as carriers of disease; Vaccination

The public health aspects of migrant workers (*Motion picture*) U. S. Public Health Service, 1955.

—PREVENTION

Cleanliness brings health (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

La enfermedad se propaga (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Handwashing in patient care (*Motion picture*) U. S. Public Health Service, 1961.

How disease travels (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

O que e a doença? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Que es enfermedad? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Sandfly control (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

Transmissão das doenças (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

What is disease? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Produced by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

COMMUNICABLE DISEASES IN ANIMALS

see also Brucellosis in cattle

Rickettsia—laboratory procedure for their isolation and identification (*Motion picture*) U. S. Dept. of the Army, 1949.

COMMUNICATION

see also Oral communication

Effective writing (*Motion picture*) U. S. Dept. of the Air Force, 1957.

COMMUNICATIONS, MILITARY

see also Military telegraph; Military telephone; Radio, Military; Transportation, Military; World War, 1939-1945—Communications

Communication center procedure. Part 1: Outgoing messages (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

Communication center procedure. Part 2: Incoming messages (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

East coast relay station (*Motion picture*) U. S. Dept. of the Army, 1961.

The invisible battleground (*Motion picture*) U. S. Dept. of the Army, 1962.

Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems (*Filmstrip*) U. S. Dept. of the Army, 1955.

The radio man fights (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1948.

Theory of simplex and phantom circuits. Part 1: Balanced conditions (*Motion picture*) U. S. War Dept., 1944.

Theory of simplex and phantom circuits. Part 2: Unbalanced conditions (*Motion picture*) U. S. War Dept., 1944.

COMMUNISM

see also Communist parties; Propaganda, Communist

The anatomy of aggression (*Motion picture*) U. S. Information Agency, 1961. Made by Allegro Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.

Communism (*Motion picture*) U. S. Dept. of Defense. Released for public education use through U. S. Office of Education, 1950.

Communist objectives in the Far East (*Motion picture*) U. S. Dept. of Defense, 1956.

Communist target—youth (*Motion picture*) U. S. Dept. of Defense, 1962.

The communist weapon of allure (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Dynamics of moral leadership: Communism (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Face to face with communism (*Motion picture*) U. S. Dept. of Defense, 1951.

Freedom and you (*Motion picture*) U. S. Dept. of Defense, 1962.

George Kennan discusses communism on the Armed Forces Forum (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Latin America (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

Mr. George F. Kennan discusses Soviet objectives (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Resist (*Motion picture*) U. S. Dept. of the Army, 1959.

Revolt of a generation (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News.

The road to the wall (*Motion picture*) U. S. Dept. of Defense, 1962. Made by Columbia Broadcasting System.

COMMUNIST COUNTRIES

Communist Europe (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

COMMUNIST PARTIES

Communist blueprint for conquest (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

COMMUNIST PROPAGANDA see Propaganda, Communist

COMMUNITY AND SCHOOL

World in a schoolroom (*Motion picture*) U. S. Dept. of the Army, 1951. Made by International Movie Producers Service. Released for public educational use through U. S. Office of Education, 1951.

COMMUNITY CENTERS

see also Recreation centers

Citizen's public hall (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

Leaders of tomorrow (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

SCAP CI&E information centers (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

COMMUNITY CHESTS see Federations, Financial (Social service)

COMMUNITY FORESTS

Community forests, a local asset (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

COMMUNITY ORGANIZATION

Junior chamber of commerce (*Motion picture*) U. S. Dept. of State, 1951. Made by Knickerbocker Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

Union and the community (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Promotional Films. Released for public educational use through U. S. Office of Education, 1951.

COMPASS

see also Cardinal points; Magnetism, Terrestrial

Compass compensation: Tank lighter (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public eduactional use through U. S. Office of Education, 1948.

Compensating the compass (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

Correcting the compass (*Filmstrip*) U. S. Coast Guard. 1944. Released for public educational use through U. S. Office of Education, 1948.

Direction, orientation, and location with compass (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

The magnetic compass (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

Piloting, surface (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

COMPASS, GYROSCOPIC see Gyro compass

COMPASS, RADIO see Radio compass

COMPASS, SOLAR see Solar compass

COMPOST

Como cuidar da terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Hay que alimentar la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

The land must eat (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

COMPRESSED-AIR DISEASE see Caisson-disease

COMPRESSED-AIR STARTERS see Aeroplanes—Motors—Starting devices

COMPRESSIBILITY

High speed air flow for airfoils (compressibility) (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

COMPULSORY MILITARY SERVICE see Military service, Compulsory

COMPUTER CONTROL see Automation

CONCENTRATION CAMPS

Japanese relocation (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

Nuremberg trials (*Motion picture*) U. S. Dept. of Defense, 1949.

CONCHOLOGY see Mollusks

CONCRETE

see also Pavements

—TESTING

The inside story of concrete (*Motion picture*) U. S. Army Engineers, 1954.

CONCRETE CONSTRUCTION

see also Pavements, Concrete

Concrete construction (*Filmstrip*) U. S. Dept. of the Army, 1961.

Foundations and concrete (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

Operation concrete (*Motion picture*) U. S. Army Engineers, 1950.

CONCRETE SLABS

Mudjacking concrete pavement (*Motion picture*) U. S. Dept. of the Air Force, 1960.

CONDENSERS (ELECTRICITY)

Basic electricity: Capacitance in AC circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

Capacitance (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1944.

Capacitance (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

CONDENSERS (STEAM)

Maintenance and repair of steam condensers: Circulating water side (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1952.

CONDUCT OF LIFE

see also Charity; Courage; Etiquette; Interpersonal relations; Loyalty; Patriotism; Self-respect; Youth

The golden moment (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

No man alone (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Service plus (*Motion picture*) U. S. Dept. of Defense, 1950.

CONDUITS see Electric conduits

CONELRAD

Conelrad alert (*Motion picture*) U. S. Dept. of the Air Force, 1956.

CONFERENCES see Forums (Discussion and debate)

CONSCRIPTION, MILITARY see Military service, Compulsory

CONSERVATION OF FOOD see Food conservation

CONSERVATION OF NATURAL RESOURCES see Natural resources

CONSERVATION OF THE SOIL see Soil conservation

CONSERVATION OF WILD LIFE see Wild life, Conservation of

CONSOLIDATION OF SCHOOLS see Schools—Centralization

CONSTELLATIONS

see also Stars

Star identification (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

CONSTITUTION (FRIGATE)

Old Ironsides (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

CONSTITUTION OF MATTER see Matter—Constitution

CONSTRUCTION see Architecture; Building; Engineering

CONSTRUCTION OF ROADS see Road construction

CONSUMER EDUCATION

see also Home economics; Marketing (Home economics); Shopping

Food marketing education for consumers (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

CONSUMPTION see Tuberculosis

CONTACT PRINTS see Blue-prints

CONTAGIOUS DISEASES see Communicable diseases

CONTAINER CARGO see Unitized cargo systems

CONTAINERS

see also Boxes; Packaging

Conex transporters: Loading, blocking, and bracing conex transporters on transportation equipment (*Motion picture*) U. S. Dept. of the Army, 1962.

Conex transporters: The use of inserts and conex transporters (*Motion picture*) U. S. Dept. of the Army, 1962.

Packaging and packing: CONEX containers (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Fabrication of corrugated fiberboard cells and pads (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, submethod IA-3, container, overwrap, dipcoat sealed (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Miscellaneous shipping containers (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Sub-method IIa, floating bag (*Filmstrip*) U. S. Dept. of the Army, 1959.

CONTAMINATED FOOD see Food contamination

CONTINUATION SCHOOLS see Evening and continuation schools

CONTRACTS, GOVERNMENT see Public contracts

CONTROL OF ELECTROMAGNETIC RADIATION see Conelrad

CONTROLLED FUSION

The magnetic bottle (*Motion picture*) U. S. Information Agency, 1958. Made by Atomic Energy Commission. Released for public educational use in the United States through U. S. Office of Education, 1959.

Research into controlled fusion (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Army Pictorial Center.

CONTROLLERS, ELECTRIC see Electric controllers

CONVALESCENCE

see also Nursing homes

Convalescent care and rehabilitation of patients with injury to the spinal cord (*Motion picture*) U. S. War Dept., 1946.

CONVERTER REACTORS see Breeder reactors

CONVERTIPLANES

Flight tests of a model of a high-wing transport vertical-take-off airplane with tilting wing and propellers and with jet controls at the rear of the fuselage for pitch and yaw control (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

CONVEYING MACHINERY

see also Hoisting machinery; Wire-rope transportation

Expedients (*Motion picture*) U. S. Dept. of the Army, 1962. Released for public educational use through U. S. Office of Education, 1963.

CONVOY

—COLD WEATHER CONDITIONS

Operations in sea ice: Convoy operations in sea ice (*Motion picture*) U. S. Dept. of the Navy, 1954.

CONWAY, N. H.

Letter from an American schoolboy (*Motion picture*) U. S. Dept. of State, 1950. Made by Transfilm. Released for educational use in the United States through U. S. Office of Education, 1952.

COOKERY (EGGS)

Dry eggs in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

COOKERY (FISH)

Fish cookery with savoir (*Motion picture*) U. S. Fish and Wildlife Service, 1958. Made by Milner Productions.

Sardines from Maine, Down East style (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by Sundial Films.

COOKERY (MILK)

Non-fat dry milk in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

COOKERY (POULTRY)

Cooking poultry, older birds (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

Cooking poultry, young birds (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

Make mine chicken (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1957.

COOKERY (SHRIMP)

Shrimp tips from New Orleans (*Motion picture*) U. S. Fish and Wildlife Service, 1956.

COOKERY (VEGETABLES)

Cooking fresh vegetables for the school lunch (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Glamorizing vegetables (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

COOKERY, AMERICAN

Main dishes in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

COOKERY, MARINE

see also Cookery, Military

Food preparation and service (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Depicto Films.

COOKERY, MILITARY

Cooking outfit for small detachments (*Motion picture*) U. S. Dept. of the Army, 1961.

COOKING UTENSILS see Kitchen utensils

COOLING APPLIANCES see Refrigeration and refrigerating machinery

COOPERATION, INTERNATIONAL see International cooperation

COOPERATIVE AGRICULTURE see Agriculture, Cooperative

COOPERATIVE SOCIETIES

Farmers working together (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Men who fish (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

COORDINATES

Rectangular coordinates (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.

COPPER

The copper network (*Motion picture*) U. S. Bureau of Mines, 1957. Made by Jam Handy Organization.

Copper, the oldest modern metal (*Motion picture*) Phelps Dodge Corp. in cooperation with U. S. Bureau of Mines. Made by Jamieson Film Co. Released by U. S. Bureau of Mines, 1962.

COPPER INDUSTRY AND TRADE

Arizona and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1955. Made by Frederick K. Rockett Co.

COPPERSMITHING

Bending copper tubing to a wire template (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Bending copper tubing to a wire template (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with silver solder (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with silver solder (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with spelter (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Brazing flanges with spelter (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

The coppersmith: Flaring and reducing (*Motion picture*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

The coppersmith: Flaring and reducing (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

The coppersmith: Working out branches from a line (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

The coppersmith: Working out branches from a line (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Tinning and solder wiping (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Tinning and solder wiping (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

CORAL SEA, BATTLE OF THE, 1942

Coral Sea saga: Australia, twenty years later (*Motion picture*) U. S. Dept. of the Air Force, 1962.

CORE DRILLING

Foundation explorations (*Motion picture*) U. S. Army Engineers, 1951.

COREMAKING

Confection d'un noyau simple (*Motion picture*) U. S. Office of Education, 1954.

Making a simple core (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Making a simple core (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding part with deep green sand core (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding part with deep green sand core (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Moulage d'une pièce avec un noyau profond de sable vert (*Motion picture*) U. S. Office of Education, 1954.

CORN, INDIAN see Maize

CORN BORER, EUROPEAN see European corn borer

CORN TRADE see Maize

CORPORAL (MISSILE)

Corporal (*Motion picture*) U. S. Dept. of the Army, 1960.

CORPULENCE

Weight control—The Oopsies (*Filmstrip*) U. S. Dept. of Agriculture, 1960.

CORPUSCULAR THEORY OF MATTER see Electrons; Matter—Constitution

CORRESPONDENCE see Commercial correspondence; International correspondence

CORROSION AND ANTI-CORROSIVES

see also Electrolytic corrosion; Paint; Protective coatings; Waterproofing

Corrosion (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

Preliminary investigation of fretting (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

Protection of metals, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

Protection of metals, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

COTTON

Beltsville newsreel, no. 14 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Cotton—fiber with a future (*Motion picture*) U. S. Dept. of Agriculture, 1959.

New products from agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1953.

COTTON BOWL GAMES, DALLAS

Navy-Rice Cotton Bowl Football Game (*Motion picture*) U. S. Dept. of the Navy, 1958.

COTTON GROWING

Cotton—fiber with a future (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Men who grow cotton (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Agricultural Extension Services of the Cotton States, 1947.

COTTON HANDLING

Cotton warehousing (*Motion picture*) U. S. Dept. of Agriculture, 1961.

COTTON TRADE

Men who grew cotton (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Agricultural Extension Services of the Cotton States, 1947.

COUGARS see Pumas

COUNSELING

see also Interviewing; Vocational guidance

A community advisory service (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

Never alone (*Motion picture*) U. S. Dept. of the Air Force, 1956.

COUNTING TUBES see Geiger-Müller counters

COUNTRY LIFE

see also Farm life; Farmers; Outdoor life; Rural conditions

Blue ribbon (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

COUNTRY SCHOOLS see Rural schools

COUNTY AGRICULTURAL AGENTS

The county agent (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

The county agent (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

Farming (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

COUNTY GOVERNMENT

County government (*Motion picture*) U. S. Dept. of State, 1949. Made by Pictorial Research. Released for educational use in the United States through U. S. Office of Education, 1950.

COUPLINGS

see also Clutches (Machinery)

The fluid coupling, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1954.

Ships' propulsion transmission system: Clutches and couplings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

COUPS D'ETAT see Revolutions

COURAGE

see also Fear; Morale

Are you really a man? (*Motion picture*) U. S. Dept. of the Army, 1959.

Code of conduct. Article 6: Stand firm (*Motion picture*) U. S. Dept. of the Army, 1959.

COURIER (CUTTER)

Coast Guard cutter Courier (*Motion picture*) U. S. Coast Guard, 1961.

COURTS-MARTIAL AND COURTS OF INQUIRY

The code and you (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

Evidence in courts-martial: Evidence after the findings (*Motion picture*) U. S. Dept. of the Navy, 1954.

Evidence in courts-martial: General rules of evidence (*Motion picture*) U. S. Dept. of the Navy, 1954.

Evidence in courts-martial: Testimony (*Motion picture*) U. S. Dept. of the Navy, 1954.

The general court-martial (*Motion picture*) U. S. Dept. of the Army, 1954.

The investigating officer (*Motion picture*) U. S. Dept. of the Army, 1954.

Military justice (*Motion picture*) U. S. Dept. of the Air Force, 1954.

The special court-martial (*Motion picture*) U. S. Dept. of the Army, 1957.

Special court martial (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1952.

The summary court-martial (*Motion picture*) U. S. Dept. of the Army, 1954.

Summary court martial (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

This is the code: Procedural articles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

Uniform code of military justice (*Motion picture*) U. S. Dept. of the Army, 1954. Released for public educational use, 1956.

COVER CROPS

see also Soil conservation

Winter cover crops and crop residues for wind erosion control (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

COWEETA EXPERIMENTAL FOREST

Waters of Coweeta (*Motion picture*) U. S. Dept. of Agriculture, 1953.

CRAFTS (HANDICRAFTS) see Handicraft

CRANES, WHOOPING see Whooping cranes

CRANES, DERRICKS, ETC.

see also Floating cranes

Materials handling equipment operation: Gantry truck and warehouse cranes (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sound Masters, inc.

—SAFETY MEASURES

Crane operations: Safety precautions (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by M. P. O. Productions.

CRANIUM see Skull

CRANKS AND CRANKSHAFTS

Connecting rods, crankshafts, bearings, and crankcases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

CREATIVE ABILITY

Creativity (*Motion picture*) U. S. Dept. of Agriculture, 1958.

CRIMES, MILITARY see Military offenses

CRIMINAL INVESTIGATION

see also Evidence, Criminal; Fingerprints

Suspects and witnesses. Part 3: Interrogating suspects (*Motion picture*) U. S. Dept. of the Army, 1957.

CRIPPLES see Physically handicapped

CRIPPLES, WAR see Veterans, Disabled

CRITICAL MATERIALS see Strategic materials

CROCKERY see Pottery

CROP ESTIMATING see Agricultural estimating and reporting

CROP INSURANCE see Insurance, Agricultural—Crops

CROP ROTATION see Rotation of crops

CRUTCHES

Teaching crutch walking (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Teaching crutch walking (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

CRYOGENICS see Low temperature research; Refrigeration and refrigerating machinery

CRYSTOLON see Silicon carbide

CULTIVATION OF SOILS see Tillage

CULTIVATORS

Reconditioning a cultivator (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Reconditioning a cultivator (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

CULTURE CONTACT see Acculturation

CULTURE MEDIA (BACTERIOLOGY) see Bacteriology—Cultures and culture media

CUMBERLAND DISEASE see Anthrax

CUPOLA-FURNACES

Le chargement et le fonctionnement d'un cubilot (*Motion picture*) U. S. Office of Education, 1951.

Charging and operating a cupola (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Charging and operating a cupola (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Préparation d'un cubilot pour le chargement (*Motion picture*) U. S. Office of Education, 1954.

Preparing a cupola for charging (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Preparing a cupola for charging (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

CURRENCY QUESTION

see also Money

Your money's worth (*Motion picture*) Federal Reserve Bank of Richmond, 1953. Made by Byron, inc.

CUTLERY

Meat cutting tools and equipment (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

CUTTING see Dressmaking

CUTTING OF METALS see Metal cutting

CYLINDERS

Cylinder and piston assemblies (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Cylinder head removal (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Installation of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Reassembly of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reconditioning a cylinder with a portable boring bar (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Reconditioning a cylinder with a portable boring bar (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Removal of cylinder liner (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

CYLINDERS (Continued)

Removing and inspecting cylinders (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Removing and inspecting cylinders (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Replacement of cylinder liner (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

CYSTOTOMY see Bladder—Surgery

D

D DAY see World War, 1939-1945—Campaigns—Normandy

DDT (INSECTICIDE)

DDT in the control of household insects (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Rat ectoparasite control (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Rat ectoparasite control (*Motion picture*) U. S. Public Health Service, 1954.

Safe practices in handling DDT (*Filmstrip*) U. S. Public Health Service, 1945.

D E W S see Distant early warning system

DAIRIES see Milk plants

DAIRY CATTLE

The Dairy Herd Improvement Association, identification and permanent record program (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Improving dairy herds (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

Weigh-a-day-a month (*Motion picture*) U. S. Dept. of Agriculture, 1957.

DAIRYING

see also Milk; Milk plants

Better farming; more milk (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Better living through dairy cooperatives (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Mas leche (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Produza mais leite (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Save work in doing dairy chores (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

—APPARATUS AND SUPPLIES

Low cost dairy improvement (*Motion picture*) U. S. Dept. of Agriculture, 1954.

DALLES DAM

The Dalles Dam (*Motion picture*) U. S. Army Engineers, 1956.

DAMAGE CONTROL (WARSHIPS)

see also Ships—Maintenance and repair

Damage control: Civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.

DAMS

see also Flood dams and reservoirs

Harnessing floods (*Motion picture*) U. S. Army Engineers, 1950.

TVA (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Advisory Commission of the Council of National Defense, 1941.

DANCING

The bounteous earth (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Fiestas of the hills (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Fire and water (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Sky dancers of Papantla (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—FOLK AND NATIONAL DANCES

National Folk Festival, part 1 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

National Folk Festival, part 2 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

National Folk Festival, part 3 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

DATA PROCESSING, ELECTRONIC see Electronic data processing

DAVID W. TAYLOR MODEL BASIN, CARDEROCK, MD. see U.S. David W. Taylor Model Basin, Carderock, Md.

DAYLIGHT

—MEASUREMENT

How to measure daylight obstruction (*Filmstrip*) U. S. Public Health Service, 1957.

DEAD RECKONING (NAVIGATION)

Dead reckoning (*Filmstrip*) U. S. Navy Dept., 1942. Released through U. S. Civil Aeronautics Administration, 1946.

DEAF

—EDUCATION

To hear again (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

—MEANS OF COMMUNICATION

Speech reading (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

DEAFNESS

You can hear again (*Motion picture*) U. S. Veterans Administration, 1949.

DEATH

—CAUSES

see also Autopsy

Medical certification of the causes of death (*Motion picture*) U. S. Public Health Service, 1963.

—PROOF AND CERTIFICATION

Medical certification of the causes of death (*Motion picture*) U. S. Public Health Service, 1963.

DECATUR, ALA.

TVA town (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Transfilm. Released for public educational use through U. S. Office of Education, 1951.

DECONTAMINATION (FROM GASES, CHEMICALS, ETC.)

ABC warfare defense ashore: Biological and chemical decontamination; exteriors (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Biological warfare decontamination; interiors (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Biological warfare decontamination; personal equipment (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Biological warfare decontamination; personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Chemical warfare decontamination; personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Detection of contaminated areas in biological and chemical warfare (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Protective clothing for decontamination personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films

The washdown countermeasures: Preventing radiological contamination of ships exposed to underwater atomic attack (*Motion picture*) U. S. Dept. of the Navy, 1953.

DECORATION DAY see Memorial Day

DEERMICE see Mice

DEFENSE (MILITARY SCIENCE) see Attack and defense (Military science)

DEFENSE, CIVIL see Civilian defense

DEFENSE CONTRACTS

Contract negotiation techniques (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Defense procurement: Competitive negotiation (*Motion picture*) U. S. Dept. of the Army, 1960.

Defense procurement: Contract administration (*Motion picture*) U. S. Dept. of the Army, 1960.

Defense procurement: Formal advertising (*Motion picture*) U. S. Dept. of the Army, 1960.

The Signal Corps prepares (*Motion picture*) U. S. Dept. of the Army, 1960.

DEFENSE INFORMATION, CLASSIFIED

The daily enemy (*Motion picture*) U. S. Dept. of the Army, 1960.

Memorandum on security (*Motion picture*) U. S. Dept. of the Army, 1959.

DEGREES OF LATITUDE AND LONGITUDE see Geodesy

DEHYDRATED FOODS see Food, Dried

DEHYDRATED MILK see Milk, Dried

DEHYDROFROZEN FOOD see Food, Frozen

DE-ICING OF AEROPLANES see Aeroplanes—Ice prevention

DEMENTIA PRAECOX see Schizophrenia

DEMOCRACY

see also Federal government; Liberty

Freedom and you (*Motion picture*) U. S. Dept. of Defense, 1962.

Social change in a democracy (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Sun Dial Films. Released for public educational use through U. S. Office of Education, 1952.

DEMOUNTABLE BUILDINGS see Buildings, Prefabricated

DENGUE

Breakbone fever, "dengue" (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Control of mosquito-borne diseases (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

DENMARK

Introducing Denmark (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Nordisk film junior, Copenhagen. Released in the United States by U. S. Dept. of State, 1956.

DENTAL ASSISTANTS

Dental assistant: a career of service (*Motion picture*) U. S. Public Health Service, 1962. Made by Potomac Films.

DENTAL CERAMICS see Dentistry—Ceramics

DENTAL CHEMISTRY

Dental amalgam: Failure caused by moisture contamination (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1948.

DENTAL CLINICS

Preventive dentistry: Oral hygiene (*Motion picture*) U. S. Dept. of the Air Force, 1956.

DENTAL HYGIENE see Teeth—Care and hygiene

DENTAL INSTRUMENTS AND APPARATUS

Dental burs in action (*Motion picture*) U. S. National Bureau of Standards, in cooperation with U. S. Air Force Dental Service, 1955.

DENTAL MATERIALS

Dental materials: Specification and certification (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.

DENTAL MEDICINE see Teeth—Diseases

DENTAL METALLURGY see Dentistry —Metallurgy

DENTAL SURGERY see Dentistry, Operative

DENTISTRY

see also Teeth

Dental assistants, their effective utilization (*Motion picture*) U. S. Public Health Service, 1952. Made by De Frenes Co.

Oral prophylactic techniques (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Preventive dentistry: A base dental program (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Vigil of Jenny Fay (*Motion picture*) U. S. Public Health Service, 1962. Made by Cravan Film Corp.

—CERAMICS

Acrylic jacket crown construction (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

Alveolectomy in extraction of isolated teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

Amalgam restoration (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Complete dentures: Alginate impressions (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

Matrix (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

Partial dentures: Biomechanics (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

—METALLURGY

The casting of dental gold alloys: Thermal expansion technique (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1951.

DENTISTRY, MILITARY

Dental activities, Walter Reed Army Medical Center (*Motion picture*) U. S. Dept. of the Army, 1953.

Dental first aid (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1953.

DENTISTRY, NAVAL

—STUDY AND TEACHING

Casualty-care training (*Motion picture*) U. S. Navy Dept., 1960.

DENTISTRY, OPERATIVE

see also Teeth—Extraction

Alveolectomy after multiple extraction of teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

Alveolectomy and multiple pathology (*Motion picture*) U. S. Dept. of the Army, 1952.

Amalgam restoration (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

Cavity preparation (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

Correction of mandibular prognathism by vertical sliding osteotomy (*Motion picture*) U. S. Dept. of the Army, 1960.

Excision of chronic periapical infections (*Motion picture*) U. S. Dept. of the Army, 1952.

Excision of gingival hypertrophy (*Motion picture*) U. S. Dept. of the Army, 1952.

Excision of mandibular tori (*Motion picture*) U. S. Dept. of the Army, 1952.

Gingivectomy (*Motion picture*) U. S. Dept. of the Army, 1960.

Matrix (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

Oral rehabilitation (*Motion picture*) U. S. Veterans Administration, 1954.

Removal of an impacted mandibular third molar by controlled sectioning (*Motion picture*) U. S. Dept. of the Army, 1952.

DEPARTMENT STORES

Mr. Stuart answers the question (*Motion picture*) U. S. Dept. of Commerce, Office of Small Business, 1947. Made by U. S. Dept. of Agriculture.

DERMATITIS see Skin—Diseases

DERMATOLOGY

Dermatology and syphilology. Part 1: Distribution patterns of lesions in the diagnosis of skin diseases (*Filmstrip*) U. S. Dept. of the Army, 1956.

DERRICKS see Cranes, derricks, etc.

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERTS

Sun, sand, and survival (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Water in the West (*Motion picture*) U. S. Bureau of Reclamation, 1951.

DESIGN OF EXPERIMENTS see Experimental design

DETENTION CAMPS see Concentration camps

DETERGENTS see Cleaning compounds

DETROIT DAM

Challenge of the North Santiam (*Motion picture*) U. S. Army Engineers, 1955.

Operation concrete (*Motion picture*) U. S. Army Engineers, 1950.

DEW LINE see Distant early warning system

DEXTER DAM

Key to the emerald empire (*Motion picture*) U. S. Army Engineers, 1956.

DEXTRAN

New products from agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1953.

DIABETES

Buying good food (*Filmstrip*) U. S. Public Health Service, 1950.

Care of the feet (*Filmstrip*) U. S. Public Health Service, 1950.

Care of the patient with diabetes mellitus: Complicated (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the patient with diabetes mellitus: Complicated (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the patient with diabetes mellitus; Uncomplicated (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the patient with diabetes mellitus: Uncomplicated (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Cooking good meals (*Filmstrip*) U. S. Public Health Service, 1950.

Diabetic coma (*Filmstrip*) U. S. Public Health Service, 1950.

Eating for good health (*Filmstrip*) U. S. Public Health Service, 1950.

Insulin and its use (*Filmstrip*) U. S. Public Health Service, 1950.

Insulin reaction (*Filmstrip*) U. S. Public Health Service, 1950.

Planning good meals (*Filmstrip*) U. S. Public Health Service, 1950.

Selecting meals for all occasions (*Filmstrip*) U. S. Public Health Service, 1950.

Tests in diabetes (*Filmstrip*) U. S. Public Health Service, 1950.

What is diabetes? (*Filmstrip*) U. S. Public Health Service, 1950.

DIAGNOSIS

see also Blood—Examination; Body temperature; Diagnosis, Differential; Infants—Diseases—Diagnosis; Medicine, Clinical; Pulse; Reflexes; Thermometers and thermometry, Medical

Collecting specimens for virus diagnosis (*Filmstrip*) U. S. Public Health Service, 1956.

The medical examination. Part 1: Importance (*Motion picture*) U. S. Dept. of the Army, 1949.

The medical examination. Part 2: Medical history (*Motion picture*) U. S. Dept. of the Army, 1950.

The medical examination. Part 3: Examination (*Motion picture*) U. S. Dept. of the Army, 1950.

DIAGNOSIS, DIFFERENTIAL

Arthropod-borne virus encephalitides (*Motion picture*) U. S. Dept. of the Army, 1947.

DIARRHEA

The infectious diarrheas (*Motion picture*) U. S. Public Health Service, 1960.

DICHLORO-DIPHENYL-TRICHLOROETHANE see DDT (Insecticide)

DICTATING MACHINES

Machine transcription: Machine operation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

Machine transcription: Transcription technique (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

DICTATORSHIP OF THE PROLETARIAT see Totalitarianism

DIES AND TAPS see Taps and dies

DIESEL LOCOMOTIVES

Outloading of Diesel locomotives (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

DIESEL MOTOR

BMEP (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Basic hydraulic governor (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

The construction of diesel engines (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

The diesel engine (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

Diesel engine fuel systems (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

Diesel engine governors. Part 1: Woodward governors (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

The diesel engine: Scavenging and supercharging diesel engines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

Diesel lubrication and cooling systems (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

Diesel lubrication and cooling systems: Lubrication of the GM-71 series engines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Grader, motorized, caterpillar no. 12: Starting and stopping procedures (*Motion picture*) U. S. Dept. of the Army, 1957.

Marine diesel engines for power boats (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Powerhead (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Slow-motion study of fuel injection and combustion in a Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

Speed drop (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

—MAINTENANCE AND REPAIR

Air start check valve, cylinder relief valve, and indicator cock (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Bearing disassembly and inspection (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearing reassembly (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearing removal and inspection, 8-268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearings (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Bearings (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Bench work, 8-268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Benchwork, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Benchwork, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Benchwork, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Benchwork, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

Cylinder head and piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Cylinder head removal (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Disassembly (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Disassembly, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Disassembly, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Disassembly of the 8-268A engine (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Engine reassembly, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

Engine reassembly, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Engine reassembly, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Fuel pump disassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Fuel pump reconditioning and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

General Motors diesel engine unit injectors: Maintenance (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Injection nozzle (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Injector block reconditioning and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Injector block removal and disassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Injector block replacement and timing (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Inspection and preparatory steps (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Inspection of piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Installation of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Installation of liner and piston (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Liner and piston (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Piston and liner removal (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Pistons and rods (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Reassembly, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reassembly. Part 2: Head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reassembly of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reassembly of piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reassembly of the 8-268A engine (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reconditioning the fuel pump (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Removal and replacement of main bearings (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Removal of cylinder liner (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Removal of injection nozzles (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public education use through U. S. Office of Education, 1948.

Removal of pistons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Replacement of cylinder liner (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Replacement of injection nozzles (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Replacement of pistons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

DIESEL MOTOR (Continued)

—VALVES

The Fulton Sylphon Diesel engine temperature control valve: Operation and adjustment (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

DIET

see also Food; Food habits; Nutrition; School children—Food

Food for fitness (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

DIET IN DISEASE

Basic care of patients. Part 5: Feeding the patient (*Motion picture*) U. S. Dept. of the Army, 1957.

Buying good food (*Filmstrip*) U. S. Public Health Service, 1950.

Cooking good meals (*Filmstrip*) U. S. Public Health Service, 1950.

Eating for good health (*Filmstrip*) U. S. Public Health Service, 1950.

Planning good meals (*Filmstrip*) U. S. Public Health Service, 1950.

Selecting meals for all occasions (*Filmstrip*) U. S. Public Health Service, 1950.

DIET-KITCHENS

Hospital food service personnel training. Part 1: Introduction (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through the U. S. Office of Education.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIGESTION

see also Enzymes; Nutrition

Anatomy and physiology: The digestive system (*Filmstrip*) U. S. Dept. of the Army, 1952.

DIGESTIVE ORGANS

see also Intestines; Stomach

Anatomy and physiology: The digestive system (*Filmstrip*) U. S. Dept. of the Army, 1952.

DIGGING MACHINES see Excavating machinery

DIGITAL COMPUTER CIRCUITS see Electronic digital computers—Circuits

DIGITAL COMPUTERS, ELECTRONIC see Electronic digital computers

DIODES

The diode: Principles and applications (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The diode: Principles and applications (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

DIOPTRICS see Refraction

DIPHTHERIA

—BACTERIOLOGY

Determination of types of C. diphtheriae (*Filmstrip*) U. S. Public Health Service, 1951.

DIRECT CURRENT MACHINERY see Dynamos—Direct current

DIRECT CURRENT MACHINERY see Electric motors, Direct current

DIRECTED NUMBERS see Signed numbers

DIRECTION, SENSE OF see Orientation

DIRECTION FINDERS, RADIO see Radio direction finders

DISABILITY INSURANCE see Insurance, Disability

DISABLED VETERANS see Veterans, Disabled

DISASTER NURSING

Milford, U. S. A. (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

DISASTER RELIEF

see also Emergency medical services

Cummings City: Military assistance in civil disaster (*Motion picture*) U. S. Dept. of Defense, 1958.

Disaster aid: Public health aspects (*Motion picture*) U. S. Public Health Service, 1955.

Heart of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1956.

Introduction to disaster planning (*Motion picture*) U. S. Dept. of the Army, 1962.

Operation Noah (*Motion picture*) U. S. Dept. of the Army, 1956.

Your Army in disaster relief (*Motion picture*) U. S. Dept. of the Army, 1949.

DISASTERS

see also Accidents; Collisions at sea; Floods; Shipwrecks; Storms

Serving the nation (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

DISCIPLINE, MILITARY see Military discipline

DISCOVERIES (IN SCIENCE) see Patents; Science

DISCRIMINATION

see also Minorities

Don't be a sucker (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.

DISCUSSION

see also Forums (Discussion and debate)

Discussion technique (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

Teaching by guided discussion (*Motion picture*) U. S. Dept. of the Air Force, 1957.

DISEASE GERMS see Bacteria, Pathogenic; Germ theory of disease

DISEASE WARFARE see Biological warfare

DISEASES, CHRONIC see Chronic diseases

DISEASES, COMMUNICABLE see Communicable diseases

DISEASES, MENTAL see Mental illness

DISEASES, TROPICAL see Tropics—Diseases and hygiene

DISEASES OF ANIMALS see Veterinary medicine

DISEMBARKATION see Landing operations

DISHWASHING

Food sanitation. Part 3: Washing and storage (*Filmstrip*) U. S. Public Health Service, 1954.

Hand dishwashing and general scullery practices (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.

DISPLAY OF MERCHANDISE

Building food sales through better merchandising (*Motion picture*) U. S. Dept. of Agriculture, 1959. Made by Boston University.

DISPOSAL OF REFUSE see Refuse and refuse disposal

DISSECTION

Microdissection applied to mosquito identification (*Filmstrip*) U. S. Public Health Service, 1953.

DISSOCIATION OF PERSONALITY see Personality, Disorders of

DISTANT EARLY WARNING SYSTEM

DEW line (*Motion picture*) U. S. Dept. of the Air Force, 1957.

MSTS Arctic operations, 1956 (*Motion picture*) U. S. Dept. of the Navy, 1957.

DISTILLATION

Vapor compression distilling units: How they work and how to operate them (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

DISTILLATION APPARATUS

Vapor compression distilling units: Chemical cleaning (*Motion picture*) U. S. Dept. of the Navy, 1958.

DITCHES

Permanent ditch linings (*Filmstrip*) U. S. Public Health Service, 1945.

DITCHING OF AIRCRAFT see Aeroplanes—Ditching

DIVING, SUBMARINE

Deep sea diving: The technique of diving (*Motion picture*) U. S. Dept. of the Navy, 1944.

The Navy frogmen (*Motion picture*) U. S. Dept. of the Navy, 1957.

—PHYSIOLOGICAL ASPECTS

Medical aspects of diving, part 1: Mechanical effects of pressure (*Motion picture*) U. S. Dept. of the Navy, 1962.

Medical aspects of diving, part 2: Effects of elevated partial pressures of gases (*Motion picture*) U. S. Dept. of the Navy, 1962.

DIVING SUITS

Deep sea diving: Medical and physical background (*Motion picture*) U. S. Dept. of the Navy, 1944.

Deep sea diving: The diving dress (*Motion picture*) U. S. Dept. of the Navy, 1944.

DOCKS

see also Dry-docks

Docking with keel and bilge blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Preparation for docking with keel and bilge blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

DOCKYARDS see Navy-yards and naval stations

DOCTORS see Physicians

DOCUMENTS see Archives

DOGS

—PHYSIOLOGY

Demonstration of Cushing's experiment in the dog (*Motion picture*) U. S. Dept. of the Army, 1940.

—TRAINING

Armed Forces screen magazine, no. 562 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

DOMESTIC ANIMALS

see also Cattle; Dogs; Horses; Quarantine, Veterinary; Sheep; Swine

—MARKETING see Marketing of livestock

DOMESTIC ANIMALS (Continued)

—TRANSPORTATION

Do unto animals (*Motion picture*) U. S. Dept. of Agriculture, 1939.

Handling livestock for market (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Handling livestock for market (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

DOMESTIC SCIENCE see Home economics

DOOR FITTINGS

Interior and exterior trim (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

DRAFT, MILITARY see Military service, Compulsory

DRAG (AERODYNAMICS)

see also Lift (Aerodynamics)

The fundamental nature of air flows and air-flow separation (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

How an airplane flies, parts 1 and 2 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Lift and drag (*Fimstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

A study of air flow by means of smoke (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.

DRAGS (HYDROGRAPHY)

Hydrography for charting: Sounding and dragging (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

Wire drag: A method of hydrographic surveying (*Motion picture*) U. S. Coast and Geodetic Survey, 1954.

DRAINAGE

see also Ditches

Concrete ditching for malaria control (*Motion picture*) U. S. Public Health Service, 1949.

Dynamite (*Motion picture*) U. S. Public Health Service, 1944.

Hydraulic dredging (*Motion picture*) U. S. Public Health Service, 1947.

Mosquito problems in irrigated areas (*Filmstrip*) U. S. Public Health Service, 1953.

Pole drainage (*Motion picture*) U. S. Public Health Service, 1946.

DRAWINGS, ENGINEERING see Engineering drawings

DREDGING MACHINERY

see also Excavating machinery

Hydraulic dredging (*Motion picture*) U. S. Public Health Service, 1947.

DRESS see Clothing and dress

DRESSING OF POULTRY see Poultry, Dressing of

DRESSINGS (SURGERY) see Splints (Surgery); Wounds—Treatment

DRESSMAKING

see also Needlework

Fitting dresses (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

Making a girl's dress (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

Truly yours: The dress that fits (*Motion picture*) U. S. Dept. of Agriculture, 1949.

DRIED FOODS see Food, Dried

DRIED MILK see Milk, Dried

DRILL (AGRICULTURAL IMPLEMENT)

Reconditioning a grain drill (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a grain drill (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

DRILL AND MINOR TACTICS

see also Military art and science; Tactics

Dismounted drill (*Motion picture*) U. S. Dept. of the Army, 1955.

The manual of arms (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

The platoon (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

The squad (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

DRILL PRESSES

Countersinking, counterboring, and spotfacing (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

Countersinking, counterboring, and spotfacing (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The drill press (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

The drill press (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Drilling a hole in a pin (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

Drilling a hole in a pin (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Drilling and tapping cast steel (*Motion picture*) U. S. Office of Education, 1942. Produced by Emerson Yorke Studio.

Drilling and tapping cast steel (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Drilling to a layout and spotfacing cast iron (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

Drilling to a layout and spotfacing cast iron (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Locating holes, drilling and tapping in cast iron (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

Locating holes, drilling and tapping in cast iron (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

El taladro de columnas (*Motion picture*) U. S. Office of Education [1950?]

DRILLING AND BORING

Assembling in a jig: Drilling and riveting (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Drilling and riveting (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drilling in metal, wood, and plastics (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.

Drilling with portable drill motors (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drilling with portable drill motors (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Reconditioning a cylinder with a portable boring bar (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Reconditioning a cylinder with a portable boring bar (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Removing defective rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Removing defective rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

DRILLING PLATFORMS see Artificial islands

DRINKING FOUNTAINS

Sanitary design in drinking fountains (*Filmstrip*) U. S. Public Health Service, 1947.

DRINKING WATER

Water purification, part 2: Chlorine demand, arsenic, and nitrogen mustard tests (*Motion picture*) U. S. Dept. of the Army, 1961.

DRIVER EDUCATION see Automobile drivers

DROP-FORGING see Forging

DROPS

Circulation in drops (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

DRUGS

see also Poisons

Administration of drugs (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Oral administration of medications (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

Passport to tomorrow (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

DRY CLEANING see Cleaning

DRY-DOCKS

Floating drydocks: Careening the YFD-6 (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1952.

DUCTS, BILE see Bile-ducts

DUPONT MUSEUM, WINTERTHUR, DEL. see Henry Francis du Pont Winterthur Museum

DUST

Operation of industrial hygiene survey equipment: The midget impinger dust sampler (*Motion picture*) U. S. Dept. of the Air Force, 1958.

DUST, RADIOACTIVE see Radioactive fallout

DWELLINGS

see also Farmhouses; Igloos

How to measure deterioration in dwellings (*Filmstrip*) U. S. Public Health Service, 1949.

DYNAMOS

Generator and regulator systems, principles (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Synchro systems, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

Synchro systems, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

—ALTERNATING CURRENT

Motors and generators, part 2: AC motors and generators (*Motion picture*) U. S. Dept. of the Army, 1961.

—DIRECT CURRENT

Direct current generators, theory of operation (*Motion picture*) U. S. Dept. of the Navy, 1960.

Motors and generators, part 1: DC motors and generators (*Motion picture*) U. S. Dept. of the Army, 1961.

DYSENTERY

see also Amebiasis; Entamoeba histolytica

Disenteria (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Life cycle of endamoeba histolytica in dysenteric and nondysenteric amoebiasis (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Prevent dysentery (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

E

E T R see Engineering test reactors

EARLY WARNING SYSTEMS see Distant early warning system

EARTH

see also Antarctic regions; Arctic regions; Atmosphere; Geodesy; Magnetism, Terrestrial; Meteorology; Ocean

The earth (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

EARTH SATELLITES see Artificial satellites

EARTHENWARE see Pottery

EARTHWORK

see also Dams; Dredging machinery; Foundations; Soil mechanics

Harnessing floods (*Motion picture*) U. S. Army Engineers, 1950.

Rolled earth dams (*Motion picture*) U. S. Army Engineers, 1950.

The sanitary landfill. Part 1: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1957.

EAST (NEAR EAST) see Near East

EASTERN EUROPE see Europe, Eastern

EASTERN QUESTION (FAR EAST)

American history II, lecture 10: America's Far Eastern policy (*Motion picture*) U. S. Dept. of Defense, 1956.

ECHINOCOCCUS see Tapeworms

ECHO RANGING see Sonar

ECONOMIC POLICY, FOREIGN see International economic relations

ECONOMIC RELATIONS, FOREIGN see International economic relations

ECONOMY see Saving and thrift

ECUADOR

Down where North begins (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

This is Ecuador (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

EDINBURGH. INTERNATIONAL FESTIVAL OF MUSIC AND DRAMA

Leatherneck ambassadors (*Motion picture*) U. S. Dept. of the Navy, 1961.

EDUCATION

see also Evening and continuation schools; Learning, Psychology of; Libraries; Military education; Naval education; Rural schools; Schools; Study, Method of; Teaching; Universities and colleges; Vocational education; Youth

Children's guardian (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

Design for growing (*Motion picture*) U. S. Information Agency, 1954. Made by Herbert Kerkow. Released for public educational use in the United States through U. S. Office of Education, 1954.

Education '57 (*Motion picture*) U. S. Office of Education, 1958. Made by the Westinghouse Broadcasting Co.

For a bright home life (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

Tomorrow's Air Force through today's education (*Motion picture*) U. S. Dept. of the Air Force, 1961.

The Wilson Dam School (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.

Young Uruguay (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—EXPERIMENTAL METHODS

Businessmen's service club (*Motion picture*) U. S. Dept. of State, 1951. Made by Audio Productions. Released for educational use in the United States through U. S Office of Education, 1952.

EDUCATION, INTERCULTURAL see Intercultural education

EDUCATION, VISUAL see Visual education

EDUCATION OF ADULTS

Adult education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

EDUCATION OF CHILDREN

see also Children's museums

Design for growing (*Motion picture*) U. S. Information Agency, 1954. Made by Herbert Kerkow. Released for public educational use in the United States through U. S. Office of Education, 1954.

The Wilson Dam School (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.

EDUCATION OF THE BLIND see Blind —Education

EDUCATION OF THE DEAF see Deaf —Education

EDWARDS, CALIF. AIR FORCE FLIGHT TEST CENTER see U.S. Air Force Flight Test Center, Edwards Air Force Base, Calif.

EELWORMS see Nematoda

EFFICIENCY, INDUSTRIAL

Introduction to Army work simplification (*Motion picture*) U. S. Dept. of the Army, 1954.

Kinda give it your personal attention (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

EGG (BIOLOGY) see Embryology

EGGS

see also Cookery (Eggs)

The good egg (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1955.

Quality assurance for quantity buyers of poultry and eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Transplanting hen's ova (*Motion picture*) U. S. Dept. of Agriculture, 1948.

—GRADING

Know the eggs you buy (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Shell egg grading (*Filmstrip*) U. S. Dept. of the Army, 1956.

U. S. standards for quality of eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

—PRODUCTION

see also Poultry

Selecting hens for egg production (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

EGGS, DRIED

Dry eggs in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

EISENHOWER, DWIGHT DAVID, PRES. U.S., 1890-

Armed Forces screen magazine, no. 538 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Peace and friendship in freedom: President Eisenhower's 11-nation tour (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.

President Eisenhower's visit to South America (*Motion picture*) U. S. Information Agency, 1960. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.

EJECTION SEATS (AEROPLANES) see Pilot ejection seats

EL ALAMEIN, BATTLE OF, 1942

Air power and armies (*Motion picture*) U. S. Army Air Forces, 1945.

ELBOW

—FRACTURE

Fractures about the elbow (*Motion picture*) U. S. Veterans Administration, 1954. Made by Churchill-Wexler Film Productions.

—SURGERY

Surgical approaches to the elbow joint (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

ELECTORAL COLLEGE see Presidents—Election

ELECTRIC ACCIDENTS see Electricity, Injuries from

ELECTRIC ALARMS

Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems (*Filmstrip*) U. S. Dept. of the Army, 1955.

ELECTRIC ALTERNATORS see Dynamos —Alternating current

ELECTRIC BATTERIES

see also Storage batteries

Voltaic cell, dry cell, and storage battery (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

ELECTRIC CAPACITY

see also Condensers (Electricity)

Basic electricity: Capacitance in AC circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

ELECTRIC CIRCUITS

see also Printed circuits; Radio circuits

Basic electricity: AC parallel circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

ELECTRIC CIRCUITS (Continued)

Basic electricity: AC series circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

Basic electricity: Inductance in AC circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

Electrical circuit faults (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Electrical circuit faults (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Series and parallel circuits (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Series and parallel circuits (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC COMMUNICATION see Telecommunication

ELECTRIC CONDENSERS see Condensers (Electricity)

ELECTRIC CONDUITS

Installing conduit (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Installing conduit (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Power bending conduit (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Power bending conduit (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

ELECTRIC CONTROLLERS

Across-the-line starters (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Across-the-line starters (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Direct current controllers (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Direct current controllers (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Reduced voltage starters (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Reduced voltage starters (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Wound rotor controllers (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Wound rotor controllers (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

ELECTRIC CURRENTS

Current and electromotive force (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Current and electromotive force (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

Current flow, what it is (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

RCL (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

RCL (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

What causes current flow: EMF (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELECTRIC CURRENTS, ALTERNATING

see also Impedance (Electricity); Reactance (Electricity)

Alternating current (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Basic electricity: AC parallel circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

Basic electricity: AC series circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

ELECTRIC DISCHARGES THROUGH GASES

see also Vacuum-tubes; X-rays

Principes des tubes à gaz (*Motion picture*) U. S. Office of Education, 1957.

Principles of gas-filled tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Principles of gas-filled tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

ELECTRIC EQUIPMENT OF AUTOMOBILES see Automobiles—Electric equipment

ELECTRIC FURNACES

Melting and refining of stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.

ELECTRIC GENERATORS see Dynamos

ELECTRIC LINES

—POLES

Pole line construction. Part 3: Erecting poles and attaching crossarms (*Motion picture*) U. S. Dept. of the Army, 1958.

Pole line construction. Part 4: Fundamentals of guying (*Motion picture*) U. S. War Dept., 1943.

—TESTING

Maintaining good voltage on rural distribution lines (*Motion picture*) U. S. Dept. of Agriculture, 1953.

ELECTRIC MACHINERY

see also Dynamos; Electric controllers; Electric motors; Electric transformers; Oscillators, Electric

—DESIGN AND CONSTRUCTION

Repulsion motor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Repulsion motor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Rotating magnetic fields (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Rotating magnetic fields (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Single-phase and polyphase circuits (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Single-phase and polyphase circuits (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Split-phase motor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Split-phase motor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Squirrel-cage rotor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Squirrel-cage rotor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

ELECTRIC MEASUREMENTS

see also Inductance

Amperes, volts, and ohms (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Amperes, volts, and ohms (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC METERS

see also Ohmmeter; Voltmeter

Basic DC meter movement (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

Circuit testing with meters and multimeters. Part 2: Practical application (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1962.

ELECTRIC MOTORS

Automotive electricity for military vehicles. Part 3: Principles of the starting motor (*Motion picture*) U. S. Dept. of the Army, 1957.

Use and care of electric motors (*Motion picture*) U. S. Dept. of Agriculture, 1954.

—REPAIRING

D. C. motor. Part 1: Mechanical overhaul (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

D. C. motor. Part 1: Mechanical overhaul (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

D. C. motor. Part 2: Rewinding (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

D. C. motor. Part 2: Rewinding (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Moteur à répulsion-induction: Vérification générale (*Motion picture*) U. S. Office of Education, 1957.

Repulsion-induction motor: General overhaul (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Repulsion-induction motor: General overhaul (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Repulsion motor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Repulsion motor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Rotating magnetic fields (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Rotating magnetic fields (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Single-phase and polyphase circuits (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Single-phase and polyphase circuits (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Split-phase motor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Split-phase motor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Split-phase motor: Rewinding (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Split-phase motor: Rewinding (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Squirrel-cage rotor principles (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Squirrel-cage rotor principles (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Three-phase motor. Part 1: Preparing to rewind (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Three-phase motor. Part 1: Preparing to rewind (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Three-phase motor. Part 2: Rewinding (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Three-phase motor. Part 2: Rewinding (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

ELECTRIC MOTORS, ALTERNATING CURRENT

Motors and generators, part 2: AC motors and generators (*Motion picture*) U. S. Dept. of the Army, 1961.

ELECTRIC MOTORS, DIRECT CURRENT

Direct current motors, theory of operation (*Motion picture*) U. S. Dept. of the Navy, 1959.

Motors and generators, part 1: DC motors and generators (*Motion picture*) U. S. Dept. of the Army, 1961.

ELECTRIC MOTORS, SYNCHRONOUS

Synchro systems, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

Synchro systems, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POTENTIAL see Electric currents; Electromotive force

ELECTRIC POWER

BORAX: Construction and operation of a boiling water reactor (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

ELECTRIC POWER DISTRIBUTION

see also Rural electrification

Highline (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1950.

ELECTRIC RESISTANCE

see also Impedance (Electricity); Reactance (Electricity)

RCL (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

RCL (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

What controls current flow: Resistance (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELECTRIC THERMOMETRY see Thermometers and thermometry

ELECTRIC TRANSFORMERS

Synchro systems, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

Synchro systems, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC WAVES

see also Radio, Short wave; Radio waves

Standing waves on transmission lines (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC WELDING

Spot welding (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Spot welding (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

A story of arc welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Lincoln Electric Co., 1945.

ELECTRIC WIRING

see also Electric conduits; Telephone lines

Cable surface wiring (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Cable surface wiring (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Electrical circuit faults (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Electrical circuit faults (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Installing conduit (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Installing conduit (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Installing surface metal raceway (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Installing surface metal raceway (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Joining solid conductors (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Joining solid conductors (*Filmstrip*) U. S. Office of Education, 1945. Produced by Ray-Bell Films.

Porcelain protected surface wiring (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Porcelain protected surface wiring (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Power bending conduit (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Power bending conduit (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Preparing old buildings for wiring (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Preparing old buildings for wiring (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Roughing-in nonmetallic sheathed cable (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Roughing-in nonmetallic sheathed cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Soldering lugs and splicing stranded conductors (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Soldering lugs and splicing stranded conductors (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Three-wire service entrance (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Three-wire service entrance (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Wire sizes and voltage drop (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Wire sizes and voltage drop (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Wiring old buildings with armored cable (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Wiring old buildings with armored cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

ELECTRICITY

see also Impedance (Electricity); Reactance (Electricity); Telegraph; Telephone

Basic electricity (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Elements of electricity (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

Elements of electricity as applied to ignition systems (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

Ohm's law (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

—STUDY AND TEACHING

Functional teaching in electricity and electronics (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Dynamic Films. Released for public educational use through U. S. Office of Education.

ELECTRICITY, INJURIES FROM

Safety precautions for electronics personnel (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education, 1952.

ELECTRICITY IN AGRICULTURE

Electric farming gets more to market (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

Irrigating the electric way (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

Power and the land (*Motion picture*) U. S. Dept. of Agriculture, 1951.

REA comes to the farm (*Motion picture*) U. S. Dept. of Agriculture, 1955.

The REA story (*Motion picture*) U. S. Dept. of Agriculture, 1960.

ELECTRICITY ON SHIPS

Identifying and precutting cable (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Identifying and precutting cable (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Installing and connecting telltale panel (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Installing and connecting telltale panel (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Laying out and installing compartment fixtures (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Laying out and installing compartment fixtures (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Laying out and installing kickpipes and stuffing tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Laying out and installing kickpipes and stuffing tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Laying out and installing main wireway (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Laying out and installing main wireway (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Pulling and installing cable and packing terminal tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Pulling and installing cable and packing terminal tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Wiring telltale panel (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

Wiring telltale panel (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

ELECTRIFICATION, RURAL see Rural electrification

ELECTROCARDIOGRAPHY

Electrocardiography (*Motion picture*) U. S. Dept. of the Army, 1949.

ELECTROCHEMICAL CORROSION see Electrolytic corrosion

ELECTROLYTIC CAPACITORS see Condensers (Electricity)

ELECTROLYTIC CORROSION

Public works and public utilities: Control of corrosion by cathode protection; buried metal structures (*Motion picture*) U. S. Dept. of the Navy, 1960.

ELECTROMAGNETIC WAVES see Electric waves; Radio waves

ELECTROMAGNETISM

see also Inductance

How magnets produce electricity (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

Reproducers (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

ELECTROMAGNETS

Electromagnets (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELECTROMOTIVE FORCE

Current and electromotive force (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Current and electromotive force (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

Theory of the lead-acid storage battery (*Motion picture*) U. S. Dept. of the Navy, 1959.

What causes current flow: EMF (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELECTROMYOGRAPHY

Electromyograph procedures (*Motion picture*) U. S. Dept of the Army, 1958.

ELECTRONIC APPARATUS AND APPLIANCES

see also Antennas (Electronics); Printed circuits; Traveling-wave tubes

Electronic functional modules (*Motion picture*) U. S. Dept. of the Navy, 1960.

Lubrication of electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bill Sturm Studios.

ELECTRONIC CALCULATING-MACHINES

see also Electronic digital computers

Transistors: Switching (*Motion picture*) U. S. Dept. of the Navy, 1959.

ELECTRONIC DATA PROCESSING

Introduction to automatic data processing (*Motion picture*) U. S. Dept. of the Army, 1958.

ELECTRONIC DIGITAL COMPUTERS

Digital computer techniques: Computer logic (*Motion picture*) U. S. Dept. of the Navy, 1962.

Digital computer techniques: Computer units (*Motion picture*) U. S. Dept. of the Navy, 1962.

Digital computer techniques: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1962.

—CIRCUITS

Digital computer techniques: Computer logic symbology (*Motion picture*) U. S. Dept. of the Navy, 1962.

Digital computer techniques: Logic element circuits (*Motion picture*) U. S. Dept. of the Navy, 1962.

—PROGRAMMING

Digital computer techniques: Programming (*Motion picture*) U. S. Dept. of the Navy, 1962.

ELECTRONICS

see also Particle accelerators; Transistors

Basic electronics (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

The diode: Principles and applications (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The diode: Principles and applications (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Principes des tubes à gaz (*Motion picture*) U. S. Office of Education, 1957.

Principles of gas-filled tubes (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Principles of gas-filled tubes (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The triode: Amplification (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The triode: Amplification (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Vacuum tubes: Electron theory and the diode tube (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

ELECTRONICS IN AERONAUTICS

see also Aids to air navigation; Instrument landing systems; Landing aids (Aeronautics); Loran; Radio in aeronautics

Airports, airways, and electronics (*Filmstrip*) U. S. Civil Air Patrol, 1957.

ELECTRONICS IN MILITARY ENGINEERING

see also Radio, Military

Electromagnetic interference ashore (*Motion picture*) U. S. Dept. of the Navy, 1961.

Wave propagation and antenna theory, part 2 (*Filmstrip*) U. S. Dept. of the Army, 1955.

ELECTRONICS IN NAVIGATION

see also Loran; Radio in navigation; Sonar

Environmental factors affecting reliability of electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1956.

ELECTRONS

see also Electric discharges through gases; Electronics; Neutrons

Current flow, what it is (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

The electron, an introduction (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

The electron, an introduction (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

The electron theory (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELEPHANTIASIS

Infective larvae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.

Microfilariae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.

ELEVATIONS see Altitudes

ELLICE ISLANDS

Marshall, Gilbert, and Ellice Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

EMBRYOLOGY

see also Reproduction

How animal life begins (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

In the beginning (*Motion picture*) U. S. Dept. of Agriculture, 1937.

EMERGENCIES see Accidents; First aid in illness and injury

EMERGENCY LANDINGS (OVER WATER) see Aeroplanes—Ditching

EMERGENCY MASS FEEDING

Disaster feeding (*Motion picture*) U. S. Dept. of the Army, 1960.

EMERGENCY MEDICAL SERVICES

see also Disaster nursing

Management of mass casualties. Part 6: Sorting (*Motion picture*) U. S. Dept. of the Army, 1959.

Management of mass casualties. Part 8: Management of mechanical injuries (*Motion picture*) U. S. Dept. of the Army, 1959.

Management of mass casualties. Part 10: Management of psychological casualties (*Motion picture*) U. S. Dept. of the Army, 1959.

Management of mass casualties. Part 11: Burns (*Motion picture*) U. S. Dept. of the Army, 1959.

EMERGENCY NURSING see Disaster nursing

EMERGENCY RELIEF see Disaster relief

EMOTIONS

see also Attitude (Psychology); Fear; Prejudices and antipathies

Working for better public health through recognition of feelings (*Motion picture*) U. S. Public Health Service, 1953.

EMPLOYEE SUGGESTIONS see Suggestion systems

EMPLOYEES, SUPERVISION OF see Supervision of employees

EMPLOYEES, TRAINING OF

see also Apprentices; Moving-pictures in industry

Apprentice training (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.

The cost of an error (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

First impressions (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

The four steps (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

Spotting immediate training needs (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

EMPLOYEES' REPRESENTATION IN MANAGEMENT

Union local (*Motion picture*) U. S. Dept. of State, 1951. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1952.

EMPLOYMENT MANAGEMENT see Personnel management

EMPLOYMENT OF STUDENTS see Student employment

EMPLOYMENT OF THE BLIND see Blind —Employment

EMPLOYMENT OF VETERANS see Veterans —Employment

EMPLOYMENT OF WOMEN see Woman —Employment

ENCEPHALITIS see Brain—Inflammation

ENCEPHALITIS, EPIDEMIC

Arthropod-borne encephalitis: Its epidemiology and control (*Motion picture*) U. S. Public Health Service, 1963.

ENCEPHALITIS LETHARGICA see Encephalitis, Epidemic

ENDAMOEBA HISTOLYTICA see Entamoeba histolytica

ENDURANCE, PHYSICAL see Physical fitness

ENEMA

Basic care of patients. Part 6: The enema (*Motion picture*) U. S. Dept. of the Army, 1957.

Enemas (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

ENERGY see Force and energy

ENGELMANN SPRUCE

—DISEASES AND PESTS

Battle of the beetles (*Motion picture*) U. S. Dept. of Agriculture, 1952.

ENGINEERING

see also Agricultural engineering; Civil engineering; Engines; Environmental engineering; Forestry engineering; Hydraulic engineering; Irrigation; Mechanics; Military engineering; Nuclear engineering; Reliability (Engineering); Sanitary engineering; Strength of materials; Water-supply engineering

By their deeds (*Motion picture*) U. S. Bureau of Reclamation, 1957.

ENGINEERING (Continued)

—SAFETY MEASURES

Garrison safe-guards (*Motion picture*) U. S. Army Engineers, 1952.

ENGINEERING, ARCHITECTURAL see Building

ENGINEERING, TRAFFIC see Traffic engineering

ENGINEERING DRAWINGS

MIL-D-70327: Engineering documentation for uniform requirements (*Motion picture*) U. S. Dept. of the Army, 1961.

ENGINEERING RESEARCH

see also Research, Industrial

Science and the Signal Corps (*Motion picture*) U. S. Dept. of the Army, 1950.

ENGINEERING TEST REACTORS

Engineering test reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

ENGINES

see also Gas and oil engines; Locomotives; Marine engines; Pistons; Pumping machinery; Steam-boilers; Steam-engines; Tractors; Turbines

Keep 'em running (*Motion picture*) U. S. Army Engineers, 1953.

ENGLISH AS A FOREIGN LANGUAGE see English language—Study and teaching —Foreign students

ENGLISH LANGUAGE

—ADJECTIVE

Practical English usage I, lecture 9: More about modifiers (*Motion picture*) U. S. Dept. of Defense, 1956.

—ADVERB

Practical English usage I, lecture 9: More about modifiers (*Motion picture*) U. S. Dept. of Defense, 1956.

—CLAUSES

Practical English usage I, lecture 4: Words as a team; clauses (*Motion picture*) U. S. Dept. of Defense, 1956.

—CONJUGATION see English language —Verb

—CONJUNCTIONS

Practical English usage I, lecture 4: Words as a team; clauses (*Motion picture*) U. S. Dept. of Defense, 1956.

—DIALECTS

Growth of a language (*Motion picture*) U. S. Information Agency, 1960. Made by Milner-Fenwick. Released for public educational use in the United States through U. S. Office of Education, 1961.

—HISTORY

Growth of a language (*Motion picture*) U. S. Information Agency, 1960. Made by Milner-Fenwick. Released for public educational use in the United States through U. S. Office of Education, 1961.

—PRONOUN

Practical English usage I, lecture 6: More about pronouns (*Motion picture*) U. S. Dept. of Defense, 1956.

—RHETORIC

Effective writing (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Organization and mechanics of writing (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Practical English usage I, lecture 12: Writing clear sentences; co-ordination and subordination (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 13: Dressing up sentences; parallelism; avoidance of shifts (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 14: Dressing up sentences; word economy (word reduction) (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 15: Dressing up sentences; variation (*Motion picture*) U. S. Dept. of Defense, 1956.

—SENTENCES

Practical English usage I, lecture 2: Putting words to work; end punctuation (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 5: More about sentences; punctuation; sentence sense (*Motion picture*) U. S. Dept. of Defense, 1956.

—STUDY AND TEACHING
—FOREIGN STUDENTS

Teaching English conversation (*Motion picture*) U. S. Information Agency, 1962. Made by Thomas Craven Film Corp. Released for educational use in the United States through U. S. Office of Education, 1963.

Teaching English grammar (*Motion picture*) U. S. Information Agency, 1959. Made by Paul Alley Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.

Teaching English naturally (*Motion picture*) U. S. Information Agency, 1959. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1960.

—STUDY AND TEACHING (ELEMENTARY)

Point of view (*Motion picture*) U. S. Office of Education, 1962. Made by University of Illinois.

—SYNTAX

Practical English usage I, lecture 1: The tools of language (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 3: Words as a team; phrases (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 10: Writing clear sentences; making words agree (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 11: Writing clear sentences; antecedents and modifiers (*Motion picture*) U. S. Dept. of Defense, 1956.

—VERB

Practical English usage I, lecture 7: More about verbs (*Motion picture*) U. S. Dept. of Defense, 1956.

Practical English usage I, lecture 8: Still more about verbs (*Motion picture*) U. S. Dept. of Defense, 1956.

—VOWELS

Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides (*Motion picture*) U. S. Veterans Administration, 1954.

ENGRAVERS, AMERICAN

Printmakers (*Motion picture*) U. S. Information Agency, 1961. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.

ENIWETOK (ISLAND)

Atom atoll (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Operation Greenhouse (*Motion picture*) U. S. Atomic Energy Commission, 1952. Made by U. S. Dept. of the Air Force.

Operation Sandstone (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by U. S. Dept. of the Air Force.

ENSIGNS see Flags

ENTAMOEBA HISTOLYTICA

Movements of Endamoeba histolytica (*Motion picture*) U. S. Public Health Service, 1947.

ENTERIC FEVER see Typhoid fever

ENTERITIS see Intestines—Diseases

ENTEROBIASIS see Oxyuriasis

ENTEROBIUS VERMICULARIS see Oxyuris vermicularis

ENTOMOLOGY, ECONOMIC see Insects, Injurious and beneficial

ENTOZOA see Parasites

ENVIRONMENTAL ENGINEERING

Introduction to environmental engineering (*Motion picture*) U. S. Dept. of the Navy, 1962.

ENZYMES

see also Chymotrypsin

Inside the cell. Part 1: Enzymes in intracellular chemistry (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Inside the cell. Part 2: Regulation of enzymes (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

EPIDEMIC ENCEPHALITIS see Encephalitis, Epidemic

EPIDEMICS IN ANIMALS see Communicable diseases in animals

EPIDEMIOLOGY

The nurse—epidemiologist (*Filmstrip*) U. S. Public Health Service, 1950.

EPIGENESIS see Embryology

EPIGLOTTIS

Intra-oral and pharyngeal structures and their movements (*Motion picture*) U. S. Veterans Administration, 1951.

EPILEPSY

Seizure: The medical treatment and social problems of epilepsy (*Motion picture*) U. S. Veterans Administration, 1951.

EPIZOA see Parasites

EPIZOOTIC DISEASES see Communicable diseases in animals

EQUATIONS

Beginning algebra I, lecture 4: Simple equations and formulas (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 12: Linear equations in one unknown (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 15: Linear equations in two unknowns (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 7: Fractional equations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 8: Fractional equations (*Motion picture*) U. S. Dept. of Defense, 1956.

—NUMERICAL SOLUTIONS

see also Algebra—Graphic methods

Beginning algebra I, lecture 11: Linear equations in one unknown (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 13: Linear equations in one unknown (*Motion picture*) U. S. Dept. of Defense, 1956.

EQUATIONS, QUADRATIC

Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 15: Quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 16: Quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.

EQUATIONS, SIMULTANEOUS

Beginning algebra I, lecture 16: Application of simultaneous equations (*Motion picture*) U. S. Dept. of Defense, 1956.

EQUESTRIANISM see Horsemanship

EROSION

see also Soil conservation; Soils; Wind erosion

Erosion (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Raindrops and erosion (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Raindrops and soil erosion (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Soil erosion and its control in orchards (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

Soil erosion in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

Wind erosion; its control on the southern Great Plains (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

ERUPTIVE FEVER see Exanthemata

ESKIMOS

see also Igloos

Alaskan patrol (*Motion picture*) U. S. Coast Guard, 1957.

ESOPHAGUS

—CYSTS

Foregut cyst of the esophagus (*Motion picture*) U. S. Veterans Administration, 1959.

ESPIONAGE

see also Defense information, Classified

The case of comrade "T" (*Motion picture*) U. S. Dept. of Defense, 1956. Made by Warner-Pathe.

ESPIONAGE, RUSSIAN

The hollow coin (*Motion picture*) U. S. Dept. of the Army, 1960.

ETHICS, PRACTICAL see Conduct of life

ETHICS, SEXUAL see Sexual ethics

ETHIOPIA

Ethiopia in the free world (*Motion picture*) U. S. Dept. of State, 1951. Made by Telenews Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

ETIQUETTE

see also Military ceremonies, honors, and salutes; Naval ceremonies, honors and salutes

Morning coffee with Dorothy Thompson (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

EUROPE

see also Europe, Eastern

—AIR DEFENSES

Miracle of promise (*Motion picture*) U. S. Dept. of the Air Force, 1954.

—DEFENSES

Evaluating a nation (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

EUROPE, EASTERN

Communist Europe (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

EUROPEAN CORN BORER

The European corn borer (*Motion picture*) U. S. Dept. of Agriculture, 1948.

EUROPEAN RECOVERY PROGRAM see Reconstruction (1939-1951)

EUROPEAN WAR, 1914-1918

—AERIAL OPERATIONS

The Air Force story: The beginning (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Naval aviation, personal history: The weapon is tested (*Motion picture*) U. S. Dept. of the Navy, 1960.

—DIPLOMATIC HISTORY

American history II, lecture 11: America enters World War I (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 12: American reaction to treaty of Versailles; return to isolation (*Motion picture*) U. S. Dept. of Defense, 1956.

—RECONSTRUCTION see Reconstruction (1914-1939)

—REGIMENTAL HISTORIES

The 82d Airborne Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

—RUSSIAN PROPAGANDA see Propaganda, Russian

EUROPEAN WAR, 1939-1945 see World War, 1939-1945

EVACUATION OF CIVILIANS

Public health problems in mass evacuation (*Motion picture*) U. S. Public Health Service, 1957.

EVENING AND CONTINUATION SCHOOLS

see also Education of adults

Adult education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

EVERGREENS

Evergreen shrubs for dooryard planting (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

EVIDENCE (LAW)

Processing of evidence, part 1: Preservation and collection (*Motion picture*) U. S. Dept. of the Army, 1960.

Processing of evidence, part 2: Handling, evaluating, and identifying (*Motion picture*) U. S. Dept. of the Army, 1960.

EVIDENCE, CRIMINAL

Evidence in courts-martial: Evidence after the findings (*Motion picture*) U. S. Dept. of the Navy, 1954.

Evidence in courts-martial: General rules of evidence (*Motion picture*) U. S. Dept. of the Navy, 1954.

Evidence in courts-martial: Testimony (*Motion picture*) U. S. Dept. of the Navy, 1954.

Glass fractures (*Filmstrip*) U. S. Dept. of the Army, 1955.

Packaging of evidence for transmittal to the Military Police Criminal Investigation Laboratories (*Filmstrip*) U. S. Dept. of the Army, 1956.

EWES

Save more lambs (*Motion picture*) U. S. Dept. of Agriculture, 1951.

EX-SERVICE MEN see Veterans

EXAMINATIONS, MEDICAL see Diagnosis

EXAMINATIONS, PREPARATION FOR see Study, Method of

EXANTHEMATA

Vesicular exanthema (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1954.

EXCAVATING MACHINERY

see also Dredging machinery

Crane shovel unit, Bucyrus Erie, crawler mounted; adjustment of main operating clutches and brakes (*Motion picture*) U. S. Dept. of the Army, 1957.

EXCHANGE OF PRISONERS OF WAR see Prisoners of war

EXCISION OF JAWS see Jaws—Surgery

EXERCISE

Physical fitness program for the U. S. Navy (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1944.

EXHIBITIONS

Agriculture's showcase abroad (*Motion picture*) U. S. Dept. of Agriculture, 1961.

EXHIBITIONS, AGRICULTURAL see Agricultural exhibitions

EXPANSION (U. S. POLITICS) see U. S.—Territorial expansion

EXPEDITIONS, ANTARCTIC see Antarctic regions

EXPEDITIONS, ARCTIC see Arctic regions

EXPERIMENTAL ANIMALS see Laboratory animals

EXPERIMENTAL DESIGN

The statistical design of experiments (*Motion picture*) U. S. Dept. of the Navy, 1960.

EXPERIMENTAL PATHOLOGY see Pathology, Experimental

EXPLORER (ARTIFICIAL SATELLITE)

Army Explorer in space (*Motion picture*) U. S. Dept. of the Army, 1958.

The big picture: Countdown to Explorer (*Motion picture*) U. S. Dept. of the Army, 1958.

The Explorer in space (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

Launching of Explorer (*Motion picture*) U. S. Dept. of the Army, 1958.

X minus 80 days (*Motion picture*) U. S. Dept. of the Army, 1958.

EXPLOSIONS, UNDERWATER see Underwater explosions

EXPLOSIVES

Industrial applications of nuclear explosives (*Motion picture*) U. S. Atomic Energy Commission, 1958.

—SAFETY MEASURES

Port security—explosives loading (*Motion picture*) U. S. Coast Guard, 1960.

—TRANSPORTATION

Port security—explosives loading (*Motion picture*) U. S. Coast Guard, 1960.

EXPOSITIONS see Exhibitions

EXTENSION WORK, AGRICULTURAL see Agricultural extension work

EXTREMITIES, LOWER

—PARALYSIS see Paraplegia

EXTREMITIES, UPPER

—SURGERY

Posterior sympathetic denervation of the upper extremity (*Motion picture*) U. S. Veterans Administration, 1956.

EXTRINSIC EVIDENCE see Evidence (Law)

EYE

see also Retina; Vision

Night vision for airmen (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

—CARE AND HYGIENE

Eye treatments (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

—FOREIGN BODIES

Field management of eye injuries (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Removal of intraocular foreign bodies (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Removal of magnetic foreign bodies from the eye (*Motion picture*) U. S. War Dept., 1946.

—SURGERY

Field management of eye injuries (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Removal of intraocular foreign bodies (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Treatment for paresis of the superior oblique (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

F

F A A see U.S. Federal Aviation Agency

FM RADIO see Radio frequency modulation

FACE

see also Chin; Mouth

Masseter, temporal muscles and temporal fascia (*Motion picture*) U. S. Veterans Administration, 1959.

—SURGERY

Plastic repair of a cheek and lip (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Wounds of the face and jaw (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

FACIAL NERVES see Nerves, Facial

FACIAL NEURALGIA see Neuralgia, Facial

FACTORIES

—PROTECTION

see also Industry—Security measures; War damage, Industrial

Industrial plant protection (*Motion picture*) U. S. Dept. of the Army, 1953.

It's your decision (*Motion picture*) U. S. Dept. of the Air Force, 1956.

FACTORS (ALGEBRA)

Beginning algebra II, lecture 1: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 2: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 3: Special products and factoring (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations (*Motion picture*) U. S. Dept. of Defense, 1956.

FAIRS

see also Agricultural exhibitions; Exhibitions

Showcase for freedom (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1959.

Tradeways to peace (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1960. Made by Movietone News.

Uncle Sam goes to the trade fairs (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1958.

FALLOUT, RADIOACTIVE see Radioactive fallout

FALLOUT SHELTERS see Atomic bomb shelters

FAMILY

see also Woman

And now Miguel (*Motion picture*) U. S. Information Agency, 1953. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1954.

Dynamics of moral leadership: Moral obligations in family life (*Motion picture*) U. S. Dept. of the Air Force, 1962.

The family (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

Family (*Motion picture*) U. S. Dept. of the Army, 1958.

Farm and home development (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

Planning our family life (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

FARM ANIMALS see Domestic animals; Stock and stock-breeding

FARM BUILDINGS

see also Farmhouses; Silos; Swine houses and equipment

Better farm buildings (*Motion picture*) U. S. Dept. of Agriculture, 1955.

FARM IMPLEMENTS see Agricultural implements

FARM LABORERS see Agricultural laborers

FARM LIFE

see also Country life; Rural conditions

American farm home life (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

Finding minutes (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New Jersey Extension Service, 1943.

Fundo in Chile (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.

Is farming for me? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Planning our family life (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

FARM MACHINERY see Agricultural machinery

FARM MANAGEMENT

Labor efficiency on the farm (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

The veteran becomes a farmer (*Motion picture*) U. S. Office of Education, 1946. Produced by W. A. Palmer & Co.

FARM MECHANICS see Agricultural engineering

FARM MECHANIZATION

see also Electricity in agriculture

Automation on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1956.

FARM PONDS

Constructing a farm pond (*Filmstrip*) U. S. Public Health Service in cooperation with Alabama Departments of Conservation and Health, Alabama Polytechnic Institute, and U. S. Soil Conservation Service, 1949.

FARM PRODUCE

see also Food industry and trade; Produce trade; Surplus agricultural commodities

Agriculture's showcase abroad (*Motion picture*) U. S. Dept. of Agriculture, 1961.

Crops of the Americas (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

Crops of the Americas (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

Foreign marketing (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Handling fruits and vegetables (*Motion picture*) U. S. Dept. of Agriculture, 1961.

Miracles from agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.

More and better foods from today's pay check (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

—MARKETING

see also Marketing of livestock; Roadside marketing

Agricultural lifelines (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Better farm markets (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Foreign marketing (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Fruits, vegetables, and cooperation (*Motion picture*) U. S. Dept. of Agriculture, 1941.

Handling livestock for market (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Handling livestock for market (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Marketing builds produce sales (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

Marketing cost for food (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

Marketing research pays off (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Modernizing marketing facilities (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Objectives of marketing information for consumers (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

Roadside marketing (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Michigan and New York State Colleges of Agriculture, Massachusetts and New Jersey State Departments of Agriculture, and University of New Hampshire, 1939.

FARM SURPLUSES see Surplus agricultural commodities

FARMERS

see also Agricultural laborers

Civil defense for farmers (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Comments by farmers (*Motion picture*) U. S. Dept. of Agriculture, 1962.

The crop that never fails (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Treasury, 1946.

FARMERS' COOPERATIVES see Agriculture, Cooperative

FARMHOUSES

Building the expansible farm house (*Motion picture*) U. S. Dept. of Agriculture, 1953.

FARMING see Agriculture

FARMS

—VALUATION

What is a farm worth? (*Motion picture*) U. S. Farm Credit Administration in cooperation with the University of Illinois, 1957. Made by U. S. Dept. of Agriculture.

FARRAGUT, DAVID GLASGOW, 1801-1870

Effective naval leadership, naval heritage, part 2: The Farragut story (*Motion picture*) U. S. Dept. of the Navy, 1962.

FATS see Oils and fats

FAUNA see Forest fauna; Zoology

FEAR

see also Courage

Introduction to combat fatigue: Doctor's version (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

Introduction to combat fatigue: Patient's version (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

FECES

PVA-fixative technique in the diagnosis of amebiasis (*Filmstrip*) U. S. Public Health Service, 1950.

—ANALYSIS

Collection of fecal specimens (*Filmstrip*) U. S. Public Health Service, 1952.

FEDERAL CROP INSURANCE CORPORATION

The big gamble (*Motion picture*) U. S. Dept. of Agriculture, 1953.

FEDERAL GOVERNMENT

see also Democracy; Grants-in-aid

State capital (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

FEDERAL LAND BANKS

Banking on the land (*Motion picture*) U. S. Dept. of Agriculture, 1946.

FEDERAL PARTY

American history I, lecture 7: The Federalists launch the new government (*Motion picture*) U. S. Dept. of Defense, 1956.

FEDERAL RESERVE BANKS

A day at Federal Reserve Bank of Cleveland (*Motion picture*) Federal Reserve Bank of Cleveland, 1956.

The Federal Reserve Bank and you (*Motion picture*) U. S. Federal Reserve Bank of Minneapolis, 1950. Made by Reid H. Ray Film Industries.

FEDERAL-STATE RELATIONS see Federal government

FEDERALISTS (U.S.) see Federal Party

FEDERATIONS, FINANCIAL (SOCIAL SERVICE)

Community Chest (*Motion picture*) U. S. Dept. of the Army, 1950. Made by RKO Pathé. Released for public educational use through U. S. Office of Education, 1950.

FEED-WATER

Feedwater (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

FEEDING

Feeding farm animals (*Motion picture*) U. S. Dept. of Agriculture, 1946.

FEELING see Perception

FEELINGS see Emotions

FEET see Foot

FEMALE see Woman

FEMORAL ARTERY

Femoral artery by-pass graft with crimped teflon (*Motion picture*) U. S. Veterans Administration, 1958.

FEMUR

—FRACTURE

Fractures of the femur about the hip joint (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

Fractures of the shaft of the femur (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

Intramedullary fixation of the femur (*Motion picture*) U. S. Dept. of the Army, 1951.

—HERNIA

The repair of femoral hernia (*Motion picture*) U. S. Veterans Administration, 1956.

FENCES

Mechanical aids to physical security. Part 1: Perimeter barriers and personnel identification (*Filmstrip*) U. S. Dept. of the Army, 1955.

FERMENTATION GUM see Dextran

FERMENTS see Enzymes

FERTILIZERS AND MANURES

see also Compost

Como cuidar da terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Hay que alimentar la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

The land must eat (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Liquid fertilizers (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Nutriculture: Vegetable growing (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

FEVER, ENTERIC see Typhoid fever

FEVER, ERUPTIVE see Exanthemata

FEVER-TICK see Cattle-tick

FIELD HOSPITALS see Hospitals, Military; Medicine, Military; War—Relief of sick and wounded

FIELD TELEGRAPH see Military telegraph

FIELD WORK (EDUCATIONAL METHOD)

Our town is our classroom (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

FIFTH COLUMN see Subversive activities

FIGHTER PLANES

Breaking the language barrier (*Motion picture*) U. S. Dept. of the Air Force, 1961.

F-86E and F flight controls (*Motion picture*) U. S. Dept. of the Air Force, 1952.

Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or +-tails (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

Ground support on high (*Motion picture*) U. S. Dept. of the Air Force, 1963.

Jet fighter gunnery. Part 2: Air to air (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Jet test (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Audio Productions.

Tactical day fighter and fighter bomber operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Winged wizardry (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—PILOTING

Celestial guidance for fighter pilots (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Low level air navigation (*Motion picture*) U. S. Dept. of the Navy, 1960.

Supersonic thunderbirds (*Motion picture*) U. S. Dept. of the Air Force, 1959.

FIGHTING see Combat; Naval art and science

FIGHTING, HAND-TO-HAND

Personal encounter (*Motion picture*) U. S. Dept. of the Army, 1951.

FILARIA AND FILARIASIS

Control of mosquito-borne diseases (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Filariasis (*Filmstrip*) U. S. Public Health Service, 1947.

Filariasis story in India, part 1: Entomological and parasitological aspects of filariasis in India (*Filmstrip*) U. S. Public Health Service, 1961.

Filariasis story in India, part 2: Elephantiasis in India (*Filmstrip*) U. S. Public Health Service, 1961.

Filariasis story in India, part 3: Training, research, and control aspects of filariasis in India (*Filmstrip*) U. S. Public Health Service, 1961.

Filariasis story in India, part 4: Facts about filariasis and its control in India (*Filmstrip*) U. S. Public Health Service, 1961.

Infective larvae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.

Microfilariae of Wuchereria bancrofti (*Motion picture*) U. S. Public Health Service, 1947.

FILES AND RASPS

Care and use of hand tools. Part 4: Files and filing (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes Co.

Filing (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

Filing template metal (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Filing template metal (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

Fundamentals of filing (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

Fundamentals of filing (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

FILMSTRIPS

Film strip preparation (*Filmstrip*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

FILTERS AND FILTRATION

see also Sewage—Purification; Water—Purification

Chemical techniques: Folding a filter paper (*Motion picture*) U. S. Dept. of the Navy, 1956.

Filtration plants (*Filmstrip*) U. S. Public Health Service, 1953.

The membrane filter (*Filmstrip*) U. S. Public Health Service, 1959.

Water purification: Diatomite filter system, installation, operation, and maintenance (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

FINANCIAL FEDERATIONS see Federations, Financial (Social service)

FINGERPRINTS

Fingerprint lifting (*Filmstrip*) U. S. Dept. of the Army, 1954.

Fingerprinting and fingerprint examination (*Filmstrip*) U. S. Dept. of the Army, 1953.

FIRE

see also Combustion; Heat

Fire prevention: The nature of fire (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

Introduction to fire behavior (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Smoke in the hollow (*Motion picture*) U. S. Dept. of Agriculture, 1960.

FIRE-BRICK

Boiler repairs, fire side: Installing plastic fire brick (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

FIRE EXTINCTION

see also Fire sprinklers; Forest fires —Prevention and control

Fire fighting in the nuclear age (*Motion picture*) U. S. Atomic Energy Commission, 1960.

FIRE PREVENTION

see also Fireproofing; Forest fires —Prevention and control; Tank-vessels —Fires and fire prevention

Fire prevention: Know your fire hazards (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

Fire prevention: The nature of fire (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

Obey the fire laws (*Motion picture*) U. S. Dept. of Agriculture. 1953.

An object lesson in fire prevention (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1951.

Prevent farm fires (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Purdue University, 1944.

—RESEARCH

NACA crash fire research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

FIRE SPRINKLERS

Inspection, maintenance, and operation of automatic sprinkler systems (*Motion picture*) U. S. Dept. of the Air Force, 1959.

FIREARMS

see also Flame throwers; Gunnery; Machine-guns; Ordnance; Rifles; Shooting; Shooting, Military

Fundamentals of small arms weapons. Part 1: The cycle of operation (*Motion picture*) U. S. Dept. of the Army, 1945.

Fundamentals of small arms weapons. Part 2: Types of operation (*Motion picture*) U. S. Dept. of the Army, 1946.

Fundamentals of small arms weapons. Part 3: Semiautomatic and automatic fire (*Motion picture*) U. S. Dept. of the Army, 1945.

Infantry weapons and their effects: U. S. pistol, cal. .45; submachine gun, cal. .45; U. S. carbine, cal. .30 (*Motion picture*) U. S. Dept. of the Army, 1954.

FIREPROOFING

The house in the middle (*Motion picture*) U. S. Federal Civil Defense Administration, 1953. Made by McGeary-Smith Laboratories.

FIRING RANGES see Bombing and gunnery ranges

FIRST AID IN ILLNESS AND INJURY

see also Artificial respiration; Asphyxia; Bandages and bandaging; Burns and scalds; Emergency medical services; Resuscitation; Transport of sick and wounded

Burns (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

Dental first aid (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1953.

Emergency medical treatment unit: Phase 1 (*Motion picture*) U. S. Dept. of the Army, 1960.

First aid. Part 1: Major wounds and fractures (*Motion picture*) U. S. Dept. of the Army, 1957.

First aid. Part 2: Everyday emergencies (*Motion picture*) U. S. Dept. of the Army, 1956.

First aid for all hands: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1959.

Multiple wounds, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Resuscitative care of the severely wounded (*Motion picture*) U. S. Dept. of the Army, 1957.

Ski safety: First aid and emergency repair of equipment (*Motion picture*) U. S. War Dept., 1942.

FISH, PRESERVED see Fishery products —Preservation

FISH TRADE

see also Fishery products

Filleting and packaging fish. Part 1: Catching, filleting, and packaging fish (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.

Filleting and packaging fish. Part 2: How to fillet fish (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.

Retailing fish (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

FISHERIES

see also Fish trade; Halibut fisheries; Menhaden fisheries

Fish inspection. Part 1: North Atlantic fish (*Filmstrip*) U. S. Dept. of the Army, 1956.

FISHERMEN

The long haul (*Motion picture*) U. S. Social Security Administration, 1963.

Men who fish (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

FISHERY PRODUCTS

Fishery products standards (*Motion picture*) U. S. Fish and Wildlife Service, 1956. Made by James R. Lee Productions.

—PRESERVATION

Fish inspection. Part 1: North Atlantic fish (*Filmstrip*) U. S. Dept. of the Army, 1956.

Fresh out of the water (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by James R. Lee Productions.

FISHING

Brazil's fishing school (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Fresh out of the water (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by James R. Lee Productions.

Outboard fisherman, USA (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the Outboard Marine and Manufacturing Co., 1956.

FISHING BOATS

Outboard fisherman, USA (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the Outboard Marine and Manufacturing Co., 1956.

FISHING NETS

Basic net mending (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

FISSIONABLE MATERIALS see Radioactive substances

FISTULA

Multiple closure of fistulae between the aortic and portacaval systems (*Motion picture*) U. S. Dept. of the Navy, 1957.

FISTULA, ANAL

Closure of antral-oral fistula (*Motion picture*) U. S. Dept. of the Army, 1961.

FISTULA, ARTERIOVENOUS

Arteriovenous fistula (*Motion picture*) U. S. Veterans Ad-

FISTULA, RECTO-URETHRAL

Repair of recto-urethral fistula (*Motion picture*) U. S. Dept. of the Army, 1947.

FITTING (ENGINEERING) see Machine-shop practice

FIXTURES (MECHANICAL DEVICES) see Jigs and fixtures

FLAGS

Old Glory (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

Old Glory (*Motion picture*) U. S. Dept. of the Navy, 1961.

FLAME THROWERS

Infantry weapons and their effects: Portable flame thrower

FLEAS

Identification of some common fleas (*Filmstrip*) U. S. Public Health Service. 1952.

—EXTERMINATION

Rat ectoparasite control (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Rat ectoparasite control (*Motion picture*) U. S. Public Health Service, 1954.

FLEAS AS CARRIERS OF DISEASE

Epidemiology of murine typhus (*Motion picture*) U. S. Public Health Service, 1953.

FLEECE see Wool

FLIES

see also Hessian flies; Warble-flies

Biology of domestic flies (*Motion picture*) U. S. Public Health Service, 1952.

Biology of domestic flies (*Filmstrip*) U. S. Public Health Service, 1951.

The collection of adult flies (*Motion picture*) U. S. Public Health Service, 1949.

The collection of adult flies (*Filmstrip*) U. S. Public Health Service, 1949.

Fly density surveys by the grill method (*Motion picture*) U. S. Public Health Service, 1949.

Fly density surveys by the grill method (*Filmstrip*) U. S. Public Health Service, 1949.

Insects of importance to public health in the U. S. (*Filmstrip*) U. S. Public Health Service, 1952.

—EXTERMINATION

Spraying equipment and procedures. Part 1: Residual spraying (*Motion picture*) U. S. Public Health Service, 1951.

FLIES AS CARRIERS OF DISEASE

Biology of domestic flies (*Motion picture*) U. S. Public Health Service, 1952.

Biology of domestic flies (*Filmstrip*) U. S. Public Health Service, 1951.

Community fly control operations (*Motion picture*) U. S. Public Health Service, 1952.

FLIES AS CARRIERS OF DISEASE (Continued)

Fly control through basic sanitation (*Motion picture*) U. S. Public Health Service, 1950.

Sandfly control (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

FLIGHT

see also Aeronautics

—MEDICAL ASPECTS see Aviation medicine

—PHYSIOLOGICAL ASPECTS

Physiology of high altitude flying (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Film Graphics.

Respiration and circulation (*Motion picture*) U. S. Dept. of the Air Force, 1960.

FLIGHT NAVIGATORS

Target within range: The key role of the USAF navigator (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Wind and the navigator: In-flight analysis (*Motion picture*) U. S. Dept. of the Air Force, 1957.

FLIGHT TESTING OF AEROPLANES see Aeroplanes—Flight testing

FLIGHT TO MARS see Space flight to Mars

FLIGHT TRACKING see Guided missiles —Tracking

FLIGHT TRAINING

see also Aeroplanes—Piloting

Flight training: before you fly (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Flight training: Crosswind approaches, landings, and takeoffs (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Flight training: Emergencies (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Flight training: Fundamentals of formation flying, three plane and four plane (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Flight training: Small fields (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Flight training: Takeoffs, approaches, and landings (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Flight training: The barrel roll (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.

Flight training: The wingover roll (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.

Flight training: Wingovers and chandelles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

Primary pilot navigation (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Tomorrow we fly (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

FLOATING CRANES

Crane operations: Floating cranes (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by MPO Productions.

FLOCCULATION

A flocculation test for trichinosis (*Filmstrip*) U. S. Public Health Service, 1956.

FLOOD CONTROL

see also Forest influences

Birth of an era (*Motion picture*) U. S. Army Engineers, 1954.

Extra dividend (*Motion picture*) U. S. Army Engineers, 1954.

Flood fighting methods (*Motion picture*) U. S. Army Engineers, 1959.

Flood weather (*Motion picture*) U. S. Weather Bureau, 1937.

Friendly waters (*Motion picture*) U. S. Dept. of Agriculture, 1958.

From the mountains to the sea (*Motion picture*) U. S. Army Engineers, 1958.

From the ridge to the river (*Motion picture*) U. S. Dept. of Agriculture, 1955.

The great flood (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

Harnessing a river (*Motion picture*) U. S. Army Engineers, 1956.

Rivers in miniature (*Motion picture*) U. S. Army Engineers, 1954.

Shackles for the giant (*Motion picture*) U. S. Army Engineers, 1956.

Waters of destiny (*Motion picture*) U. S. Army Engineers, 1959.

FLOOD DAMS AND RESERVOIRS

Rolled earth dams (*Motion picture*) U. S. Army Engineers, 1950.

FLOODS

see also Forest influences; Reclamation of land; Rivers

Friendly waters (*Motion picture*) U. S. Dept. of Agriculture, 1958.

From the mountains to the sea (*Motion picture*) U. S. Army Engineers, 1958.

The river (*Motion picture*) U. S. Dept. of Agriculture, 1939. Made by Pare Lorentz.

FLOW OF WATER see Hydraulics

FLUID DYNAMICS

see also Aerodynamics

Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

FLUIDS

see also Drops; Gases; Liquids

Intravenous administration of fluids (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

FLUORIDES

see also Xenon tetrafluoride

A drop in the bucket (*Motion picture*) U. S. Public Health Service, 1952. Made by Warner Pathé.

Fluoridation (*Motion picture*) U. S. Public Health Service, 1952.

Fluoridation story (*Motion picture*) U. S. Public Health Service, 1951.

Topical fluorides: Multiple chair procedure (*Motion picture*) U. S. Public Health Service, 1951. Made by U. S. Dept. of Agriculture.

Topical fluorides: Technic of application (*Motion picture*) U. S. Public Health Service, 1949.

FLY CONTROL see Flies—Extermination

FLY DISEASE see Trypanosomiasis

FLYING see Flight

FLYING BOMBS see V-2 ROCKET

FOAM

Foaming the runway (*Motion picture*) U. S. Dept. of the Navy, 1960.

FOG

see also Smog

Weather: Fog (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.

FOG-SIGNALS

Rules in fog (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

FOLK-DANCES see Dancing—Folk and national dances

FOLK-SONGS

see also National songs

National Folk Festival, part 2 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

National Folk Festival, part 3 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

FONTANA DAM

Fontana Dam (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Sam Orleans Associates.

FOOD

see also Diet; Farm produce; Grain; Meat; Nutrition; Poultry; Vegetables

Food for fitness (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

—PRESERVATION

see also Canning and preserving; Food, Canned; Food, Dried; Food, Frozen; Meat—Preservation; Vegetables—Preservation

Food sanitation. Part 4: Refrigeration and food handling (*Filmstrip*) U. S. Public Health Service, 1954.

Food storage (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

Frozen-food lockers and your food supply (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

Refrigerated food storage principles (*Filmstrip*) U. S. Public Health Service, 1951.

The three squares (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Canners Association, 1956.

—PRICES see Food prices

FOOD, CANNED

Building food sales through better merchandising (*Motion picture*) U. S. Dept. of Agriculture, 1959. Made by Boston University.

The three squares (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Canners Association. 1956.

FOOD, DRIED

see also Eggs, Dried

The preparation of dehydrated foods (*Motion picture*) U. S. Dept. of the Army, 1953.

FOOD, FROZEN

see also Cold-storage lockers; Fruit, Frozen; Vegetables, Frozen

Protect frozen foods from temperature damage (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Veterinary surveillance inspection of perishable subsistence (*Filmstrip*) U. S. Dept. of the Army, 1958.

—TRANSPORTATION

Target Zero (*Motion picture*) U. S. Dept. of Agriculture, 1962.

FOOD ADULTERATION AND INSPECTION

see also Meat inspection

Environmental sanitation (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

FOOD ADULTERATION AND INSPECTION (Continued)

Food storage (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

Saneamento geral (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Saneamiento del ambiente (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Veterinary surveillance inspection of perishable subsistence (*Filmstrip*) U. S. Dept. of the Army, 1958.

FOOD CONSERVATION

Food conservation: The dollars and sense of good eating (*Motion picture*) U. S. Dept. of the Army, 1956.

Food for thought (*Motion picture*) U. S. Dept. of Defense, 1947.

FOOD CONTAMINATION

An outbreak of Staphylococcus intoxication (*Motion picture*) U. S. Public Health Service, 1954.

FOOD CONTROL see Food supply

FOOD HABITS

see also Diet; Nutrition

More and better foods from today's pay check (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

Our food and our health (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Posters teach nutrition around the world (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

FOOD HANDLING

Food preparation (*Motion picture*) U. S. Public Health Service, 1954.

Food sanitation. Part 4: Refrigeration and food handling (*Filmstrip*) U. S. Public Health Service, 1954.

Galley sanitation (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Hospital food service personnel training. Part 2: The individual (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Kitchen habits (*Motion picture*) U. S. Public Health Service, 1954.

Mercados asseiados (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Mercados higiénicos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

The sanitary market (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Shipboard inspection by medical department personnel: Food preparation (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

FOOD INDUSTRY AND TRADE

see also Farm produce; Food prices; Food supply; Produce trade

Agricultural lifelines (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Alice in Numberland (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Retailing prepackaged produce (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

FOOD INSPECTION see Food adulteration and inspection

FOOD POISONING

An outbreak of Salmonella infection (*Motion picture*) U. S. Public Health Service, 1954.

FOOD PRICES

Food costs (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

Food is a bargain (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

FOOD SANITATION see Food handling

FOOD SUPPLY

see also Meat industry and trade; World War, 1939-1945—Food question

Food and soil (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Home-grown food; production, preservation (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Nutrition survey: Republic of Colombia (*Motion picture*) U. S. Public Health Service, 1960.

Nutrition survey: Republic of Lebanon (*Motion picture*) U. S. Public Health Service, 1963.

FOOD TRADE see Farm produce—Marketing; Food industry and trade; Produce trade

FOOT

—CARE AND HYGIENE

Care of the feet (*Filmstrip*) U. S. Public Health Service, 1960.

—DISEASES

Trench foot (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

—SURGERY

Surgical approaches to the joints of the foot (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

Trench foot (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

FOOT-AND-MOUTH DISEASE

Eradication of foot-and-mouth disease in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

Healthier livestock through research (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Outbreak (*Motion picture*) U. S. Dept. of Agriculture, 1949.

Plum Island Animal Disease Laboratory (*Motion picture*) U. S. Dept. of Agriculture, 1958.

FOOT TRAILS see Trails

FOOTBALL

Armed forces screen magazine, no. 506 (*Motion picture*) U. S. Dept. of Defense, 1953.

I & E sportsreel, no. 222 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

FORCEPS, OBSTETRIC

Barton forceps (*Motion picture*) U. S. Dept. of the Army, 1963.

Classical instruments and technique of forceps application (*Motion picture*) U. S. Dept. of the Army, 1963.

Forceps management of face presentations (*Motion picture*) U. S. Dept. of the Army, 1963.

Keiland forceps for transverse and posterior positions (*Motion picture*) U. S. Dept. of the Army, 1963.

Piper forceps (for the aftercoming head) (*Motion picture*) U. S. Dept. of the Army, 1963.

Prerequisites for forceps deliveries (*Motion picture*) U. S. Dept. of the Army, 1963.

Traction with classical forceps emphasizing axis-traction principle (*Motion picture*) U. S. Dept. of the Army, 1963.

Transverse arrest (*Motion picture*) U. S. Dept. of the Army, 1963.

FORECASTING, WEATHER see Weather forecasting

FOREIGN ECONOMIC RELATIONS see International economic relations

FOREIGN RELATIONS see International relations

FOREIGN STUDENTS see Students, Foreign

FOREMEN

Buenas condiciónes en el trabajo (*Motion picture*) U. S. Office of Education [1959?]

Every minute counts (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

Instructing the blind worker on the job (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

Instructing the worker on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Introducing the new worker to his job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Maintaining good working conditions (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

Maintaining quality standards (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

A new supervisor takes a look at his job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Placing the right man on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Relaciones entre supervisores (*Motion picture*) U. S. Office of Education [1959?]

Supervising women workers (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

Supervising workers on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Supervision de los obreros en su trabajo (*Motion picture*) U. S. Office of Education [1959?]

The supervisor as a leader, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

The supervisor as a leader, part 2 (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Working with other supervisors (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

FOREST FAUNA

Wildlife and the human touch (*Motion picture*) U. S. Dept. of Agriculture, 1952.

FOREST FIRES

Don't let it happen (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Fire and flood (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Fire in the forest (*Motion picture*) U. S. Dept. of Agriculture, 1951.

Forest disaster (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Smokey's flood story (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Ten thousand fires (*Motion picture*) U. S. Tennessee Valley Authority, 1942.

Then it happened (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Trees take time (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Watershed wildlife (*Motion picture*) U. S. Dept. of Agriculture, 1958.

—PREVENTION AND CONTROL

Air tanker attack (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Alouette (*Motion picture*) U. S. Dept. of Agriculture, 1951.

Break your match (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Building the fire line (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Burning issue (*Motion picture*) U. S. Dept. of Agriculture with the cooperation of the Southern States Forestry Dept., 1962.

FOREST FIRES
—PREVENTION AND CONTROL (Continued)

Camping (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Cargo retrieving (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Crew boss (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Days of a tree (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1956.

Dead out (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Southern States, 1948.

Don't blame lightning (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Don't let it happen (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Fighting large fires in brush and grass (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Fire plow performance and use (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Flipper returns (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Forest blessings (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Forest care (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Forest fire fighting in the South (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Forest friends (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Forest smokechaser (*Motion picture*) U. S. Dept. of Agriculture, 1948.

The frying pan and the fire (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Grass and brush fire fighting (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Helicopters in fire control (*Motion picture*) U. S. Dept. of Agriculture, 1960.

It's no picnic (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Northeastern States, 1948.

It's up to you (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Junior ranger (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Little Smokey (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Lonesome road (*Motion picture*) U. S. Dept. of Agriculture, 1951.

Men, women, and children (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1954.

A most dangerous combination (*Motion picture*) U. S. Dept. of Agriculture, 1949.

Old MacDonald (*Motion picture*) U. S. Dept. of Agriculture, 1951.

Once upon a time (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Only a bunch of tools (*Motion picture*) U. S. Dept. of Agriculture, 1949.

Smokejumper training. Part 3: Jump training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumpers (*Motion picture*) U. S. Dept. of Agriculture, 1949.

Smokey and the little boy (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Smokey haunts Flipper (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Smokey the bear (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Smokey warns Flipper (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Snuffy: Smokey Bear's pal (*Motion picture*) U. S. Dept. of Agriculture, 196°

Ten thousand fires (*Motion picture*) U. S. Tennessee Valley Authority, 1942.

Then it happened (*Motion picture*) U. S. Dept. of Agriculture, 1948.

There comes a tomorrow (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Trees (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Use of fire in slash disposal (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Use your ashtray (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Vision in the forest (*Motion picture*) U. S. Dept. of Agriculture, 1957.

The volunteer fireman (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Water on the fire (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Woodland manners (*Motion picture*) U. S. Dept. of Agriculture, 1952.

FOREST INFLUENCES

see also Flood control; Forests and forestry; Rain and rainfall

Forestry and human welfare (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

Lifeblood of the land (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Mountain water (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Waters of Coweeta (*Motion picture*) U. S. Dept. of Agriculture, 1962.

FOREST MANAGEMENT

Easier ways of logging (*Motion picture*) U. S. Dept. of Agriculture, 1952.

The farm and the farm woods (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

The greatest good (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Planting isn't enough (*Motion picture*) U. S. Dept. of Agriculture, 1959.

River run (*Motion picture*) U. S. Dept. of Agriculture, 1951.

Timber growing today (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Southern Educational Film Production Service.

FOREST PLANTING see Forests and forestry

FOREST PRODUCTS

see also Gums and resins; Timber; Wood

Extra forest dollars (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Timber sales and inspection techniques (*Motion picture*) U. S. Army Engineers, 1956.

FOREST PRODUCTS RESEARCH

At home with wood (*Motion picture*) U. S. Dept. of Agriculture, 1960.

FOREST REPRODUCTION see Forests and forestry

FOREST RESERVES

see also National parks and reserves; Wilderness areas

Everyman's empire (*Motion picture*) U. S. Dept. of Agriculture, 1948.

The forest (*Motion picture*) U. S. Dept. of Agriculture, 1960.

The Forest Service engineer (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Grass and cattle (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Heritage restored (*Motion picture*) U. S. Dept. of Agriculture, 1962.

The land changes (*Motion picture*) U. S. Dept. of Agriculture, 1957.

The new Alaska (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Rainbow Valley: The story of a forest ranger (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Tent flaps and flapjacks (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Water for the West (*Motion picture*) U. S. Dept. of Agriculture, 1957.

FORESTATION see Forests and forestry; Reforestation

FORESTERS

Crew boss (*Motion picture*) U. S. Dept. of Agriculture, 1962.

FORESTRY ENGINEERING

see also Lumbering

The Forest Service engineer (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Mechanized trail equipment (*Motion picture*) U. S. Dept. of Agriculture, 1958.

FORESTS AND FORESTRY

see also Aeronautics in forestry; Community forests; Landscape gardening; Lumbering; Reforestation; Slash (Logging); Timber; Tree breeding; Tree planting; Trees; Wood-lots

The forest (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Forestry and human welfare (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

Heritage restored (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Out of the woods (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Prescribed burning in the South (*Motion picture*) U. S. Dept. of Agriculture, 1950.

This is your forest (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Timber sales and inspection techniques (*Motion picture*) U. S. Army Engineers, 1956.

Tree planting and land use (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

Voice of the forest (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the state foresters of the Northeastern States. Released by U. S. Dept. of Agriculture, 1961.

Wildlife and timber (*Motion picture*) U. S. Dept. of Agriculture, 1957.

—SAFETY MEASURES

Do it with E's (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—STUDY AND TEACHING

Conservation vistas (*Motion picture*) U. S. Dept. of Agriculture, 1959.

FORGING

see also Blacksmithing; Welding

The blacksmith: Calculating and forging a deck socket wrench (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Forge welding (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

Forge welding (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

Forging with a hand forge (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

Forging with a hand forge (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

Sharpening and tempering farm tools (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

Sharpening and tempering farm tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

FORMOSA

Formosa (*Motion picture*) U. S. Dept. of Defense, 1962. Made by U. S. Dept. of the Army.

FORRESTAL (AIRCRAFT CARRIER)

U. S. S. Forrestal (CVA-59) (*Motion picture*) U. S. Dept. of the Navy, 1956.

FORT BENNING, GA.

The airborne soldier (*Motion picture*) U. S. Dept. of the Army, 1956.

FORT CHURCHILL, MANITOBA. ROCKET FIRING BASE

Fort Churchill: Springboard for science (*Motion picture*) U. S. Dept. of the Army, 1960.

FORT HOOD, TEX.

—WATER-SUPPLY

Water for Fort Hood (*Motion picture*) U. S. Army Engineers, 1956.

FORT HUACHUCA, ARIZ. ARMY ELECTRONIC PROVING GROUND see U. S. Army. Electronic Proving Ground, Fort Huachuca, Ariz.

FORT MONMOUTH, N. J. ARMY SIGNAL RESEARCH AND DEVELOPMENT LABORATORY see U. S. Army Signal Research and Development Laboratory, Fort Monmouth, N. J.

FORTIN DE LAS FLORAS, MEXICO

A town in old Mexico (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

FORUMS (DISCUSSION AND DEBATE)

Discussion technique (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

FOUNDATIONS

see also Concrete; Dredging machinery; Earthwork; Piling (Civil engineering); Shoring and underpinning; Soil mechanics

Foundation explorations (*Motion picture*) U. S. Army Engineers, 1951.

Foundations and concrete (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

FOUNDING

see also Cupola-furnaces; Metal-work; Molding (Founding); Pattern-making

Le chargement et le fonctionnement d'un cubilot (*Motion picture*) U. S. Office of Education, 1951.

Charging and operating a cupola (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Charging and operating a cupola (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Préparation d'un cubilot pour le chargement (*Motion picture*) U. S. Office of Education, 1954.

Preparing a cupola for charging (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Preparing a cupola for charging (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

4-H CLUBS

Blue ribbon (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

4-H Club work in the U. S. A. (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

The 4-H junior leader (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

The 4-H project leader (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Helping the 4-H junior leader to grow (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

The National 4-H Club Camp (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

The 1949 National 4-H Club Camp (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

Tooling up for the job (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

What puts a 4-H girl "in"? (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

FOURTH OF JULY CELEBRATIONS

Independence Day, 175th anniversary (*Motion picture*) U. S. Dept. of Defense, 1951.

FOWLS see Poultry

FRACTIONS

Beginning algebra II, lecture 5: Fractions, fundamental operations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 7: Fractional equations (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 8: Fractional equations (*Motion picture*) U. S. Dept. of Defense, 1956.

FRACTURES

see also Bones; and subdivision Fracture under particular bones, etc., e. g. Humerus—Fracture, Jaws—Fracture

First aid for all hands: Fractures (*Motion picture*) U. S. Dept. of the Navy, 1959.

First aid for fractures: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1956.

First aid for fractures: Skull, spine, and pelvis (*Motion picture*) U. S. Dept. of the Navy, 1956.

First aid for fractures: The Thomas leg splint (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.

First aid for fractures: The triangular arm splint (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.

First aid for fractures: The universal leg splint (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.

Fractures, an introduction (*Motion picture*) U. S. Dept. of the Army, 1949.

Open fractures (*Motion picture*) U. S. Veterans Administration, 1959. Made by Churchill-Wexler Film Productions.

Principles of fracture reduction (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.

Skeletal fixation by the Stader splint, fractures of the os calcis (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.

FRAMING (BUILDING)

Framing: Floor joists and walls (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

Framing: Hip and valley rafters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

Framing: Rafter principles and common rafters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

FRANCE

How to get along in France (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Introducing France (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Madeleine Films, Paris. Released in the United States by U. S. Dept. of State, 1956.

This is France (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

—COLONIES

American history I, lecture 2: The English colonies dominate North America (*Motion picture*) U. S. Dept. of Defense, 1956.

FRANK WIGGINS TRADE SCHOOL, LOS ANGELES see Los Angeles. Trade and Technical College

FREEDOM see Liberty

FREEDOM OF THE PRESS see Liberty of the press

FREEZING see Ice; Refrigeration and refrigerating machinery

FREIGHT AND FREIGHTAGE

see also Motor-truck terminals; Railroads—Freight

Trailer 201 (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

FREIGHT-CAR SERVICE see Railroads—Freight; Railroads—Freight-cars

FREIGHT HANDLING see Railroads—Freight

FRENCH LANGUAGE

—STUDY AND TEACHING

Audio-lingual techniques for teaching foreign languages—French (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.

FREQUENCY MODULATION, RADIO see Radio frequency modulation

FRICTION

see also Aerodynamic heating; Lubrication and lubricants

Lubrication (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.

Principles of dry friction (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

Principles of dry friction (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

FRICTION CLUTCHES see Clutches (Machinery)

FRIEDREICH'S DISEASE

Hereditary ataxia (*Motion picture*) U. S. Dept. of the Army, 1949.

FRIENDS, SOCIETY OF. AMERICAN FRIENDS SERVICE COMMITTEE

Education for peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

FRONTIER AND PIONEER LIFE

see also Ranch life

American history I, lecture 17: Pioneers settle the last frontier (*Motion picture*) U. S. Dept. of Defense, 1956.

FROST, ROBERT, 1874-

Robert Frost (*Motion picture*) U. S. Information Agency, 1960. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.

FROZEN FOOD see Food, Frozen

FROZEN-FOOD LOCKERS see Cold-storage lockers

FROZEN FRUIT see Fruit, Frozen

FROZEN VEGETABLES see Vegetables, Frozen

FRUIT

see also Tropical fruit

—DISEASES AND PESTS

Diseases of fruits (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

—PRESERVATION

Maintaining garden freshness in fruits and vegetables (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

FRUIT, FROZEN

Freezing strawberries and peaches (*Filmstrip*) U. S. Dept. of Agricultre, 1953.

FRUIT-CULTURE

Wild fruits for soil conservation (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

FRUIT JUICES

Beltsville newsreel, no. 14 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

FUEL, LIQUID see Liquid fuels

FUEL PUMPS

see also Automobiles—Fuel systems

Diesel engine fuel systems (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

Fuel feed systems (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

Fuel pump disassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Fuel pump reconditioning and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reconditioning the fuel pump (*Motion picture*) U. S. D of the Navy, 1945. Made by Jam Handy Organiz Released for public educational use through U. S of Education, 1948.

FUNCTIONS

Periodic functions (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of

FUNCTIONS, TRIGONOMETRICAL see Trigonometric functions

FUNGI

Common saprophytic fungi (*Filmstrip*) U. S. Public Health Service, 1960.

FUNGI, PATHOGENIC

see also Medical mycology; Rusts (Fungi)

Cutaneous infections (*Filmstrip*) U. S. Public Health Service, 1951.

A mycological slide culture technique (*Filmstrip*) U. S. Public Health Service, 1951.

Subcutaneous infections (*Filmstrip*) U. S. Public Health Service, 1951.

Superficial infections (*Filmstrip*) U. S. Public Health Service, 1951.

Systemic infections (*Filmstrip*) U. S. Public Health Service, 1951.

FUNGI IN AGRICULTURE

see also Plant diseases

The nature of plant diseases (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of West Virginia University, 1959.

FUNGOUS DISEASES see Medical mycology

FUSION REACTIONS, CONTROLLED see Controlled fusion

G

GAGES

see also Pressure-gages; Radioactive gages

Fixed gages (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

Fixed gages (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Fuel level gages (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Gage blocks and accessories (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Gage blocks and accessories (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Height gages and test indicators (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

Height gages and test indicators (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Inspection of threads (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of threads (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Measurement with light waves (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

Measurement with light waves (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

Precision gage blocks (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Precision gage blocks (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

GALES see Winds

GALL-BLADDER

Embryology of the liver, gallbladder, and pancreas (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

—RADIOGRAPHY

Operative cholangiography (*Motion picture*) U. S. Veterans Administration, 1955.

GALL-DUCTS see Bile-ducts

GALLAUDET COLLEGE, WASHINGTON, D. C.

Beyond silence (*Motion picture*) U. S. Information Agency, 1960. Made by Milner-Fenwick. Released for public educational use in the United States through U. S. Office of Education, 1960.

GALVANIC BATTERIES see Electric batteries

GALVANIC CORROSION see Electrolytic corrosion

GAME PROTECTION

see also Birds, Protection of; Wild life, Conservation of

Realm of the wild (*Motion picture*) U. S. Dept. of Agriculture, 1945.

GAMES, OLYMPIC see Olympic games

GAMES OF STRATEGY (MATHEMATICS)

Simulogs (*Motion picture*) U. S. Dept. of the Air Force, 1958.

GAMMA RAYS

The Argonne gamma irradiation facility (*Motion picture*) U. S. Atomic Energy Commission, 1957.

GANGLIA, NERVOUS see Nerves

GANGLIONIC NERVOUS SYSTEM see Nervous system, Sympathetic

GANGRENE

Microorganisms of gas gangrene (*Motion picture*) U. S. Public Health Service, 1954.

GARBAGE see Refuse and refuse disposal

GARDEN ARCHITECTURE see Landscape gardening

GARDENING

see also Agricultural pests; Fruit-culture; Fungi in agriculture; Landscape gardening; Mulching; Vegetable gardening

E facil comer bem (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Es fácil comer bien (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Gardening cartoons: A dozen "don'ts" for gardeners (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

Grow your own (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Home grown plants for transplanting (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

The new gardener (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of North Carolina Extension Service, 1943.

Planning for good eating (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Planting seeds indoors (*Motion picture*) U. S. Dept. of Agriculture, 1953.

GARRISON DAM

Garrison on the Missouri (*Motion picture*) U. S. Army

Garrison safe-guards (*Motion picture*) U. S. Army Engineers, 1952.

Garrison takes shape (*Motion picture*) U. S. Army Engineers, 1951.

GAS AND OIL ENGINES

see also Aeroplanes—Motors; Diesel motor; Fuel pumps

Better small engines (*Motion picture*) U. S. Army Engineers, 1957.

The four stroke cycle internal combustion engine, part 1 (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

The four stroke cycle internal combustion engine, part 2 (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

The internal combustion engine: Principles of operation (*Motion picture*) U. S. Army Air Forces, 1944.

Multiple cylinder engines (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

—COOLING

Cooling system (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

—IGNITION

see also Magneto

Automotive electricity for military vehicles. Part 4: The ignition circuit (*Motion picture*) U. S. Dept. of the Army, 1957.

Effect of air flow on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

High-speed photographs of autoignition and knock in a spark-ignition reciprocating engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1930.

GAS AND OIL ENGINES
—IGNITION (Continued)

The ignition system (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education. 1948.

Slow-motion study of fuel injection and combustion in a Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1940.

Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.

Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics. 1934.

A study of combustion in a spark-ignition engine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.

GAS COOLED REACTORS

Gas cooled reactor experiment (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by U. S. Dept. of the Air Force and U. S. Army Engineers.

GAS MASKS

ABC warfare defense ashore: Biological warfare decontamination; personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

ABC warfare defense ashore: Chemical warfare decontamination; personnel (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

Protective mask fitting and drill (M17) (*Motion picture*) U. S. Dept. of the Army, 1962.

Protective mask inspection (M17) *Motion picture*) U. S. Dept. of the Army, 1962.

GAS-TURBINES

see also Aeroplanes—Turbine-propeller engines; Aeroplanes—Turbojet engines; Marine gas-turbines

Marine gas turbine engines, principles of operation (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Academy Productions. Released for public educational use through U. S. Office of Education, 1953.

GAS WELDING see Oxyacetylene welding and cutting

GASES

Principles of liquids and gases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—ANALYSIS

Flue gas analysis (Orsat apparatus) (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

Flue gas analysis (Orsat apparatus) (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

GASES, ASPHYXIATING AND POISONOUS

see also Asphyxia; Carbon dioxide

Nerve gases. Part 1: Field recognition and self-aid procedures (*Motion picture*) U. S. Dept. of the Army, 1958.

Operation of industrial hygiene survey equipment: Toxic and combustible gas detectors (*Motion picture*) U. S. Dept. of the Air Force, 1957.

GASOLINE

The story of gasoline (*Motion picture*) U. S. Bureau of Mines in cooperation with the Standard Oil Co. (Indiana) 1958.

GASOLINE ENGINES see Gas and oil engines

GASTROSTOMY see Stomach—Surgery

GEAR-HOBBING MACHINES

Hobbing a helical gear: Two cuts, nondifferential method (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a helical gear, two cuts; nondifferential method (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a spur gear. Part 1: Setting up the change gears (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a spur gear. Part 1: Setting up the change gears (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio

Hobbing a spur gear. Part 2: Setting up and hobbing the work (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a spur gear. Part 2: Setting up and hobbing the work (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a square tooth spline shaft (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a square tooth spline shaft (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a worm gear: Infeed method (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

Hobbing a worm gear: Infeed method (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

GEARING

see also Automobiles—Steering gear; Clutches (Machinery); Couplings; Gear-hobbing machines

Grader, motorized, caterpillar no. 12: Adjustment of the bevel gear and pinion (*Motion picture*) U. S. Dept. of the Army, 1957.

The oil gear hydraulic traversing mechanism, principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

Planetary gears, principles of operation. Part 1: Single sets (*Motion picture*) U. S. Dept. of the Army, 1953.

Planetary gears, principles of operation. Part 2: Multiple sets (*Motion picture*) U. S. Dept. of the Army, 1953.

Principles of gearing: An introduction (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Principles of gearing: An introduction (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

GEIGER-MÜLLER COUNTERS

Practical procedures of measurement (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

GENERATION see Reproduction

GENERATIVE ORGANS, MALE

Anatomy and physiology: The male reproductive system (*Filmstrip*) U. S. Dept. of the Army, 1953.

GENERATORS, ELECTRIC see Dynamos

GENITO-URINARY ORGANS
—SURGERY

Repair of recto-urethral fistula (*Motion picture*) U. S. Dept. of the Army, 1947.

GEODESY

see also Azimuth; Geographical positions; Gravity; Surveying; Triangulation

Activities of the U. S. Coast and Geodetic Survey (*Motion picture*) U. S. Coast and Geodetic Survey, 1953.

GEOGRAPHICAL POSITIONS

Elementary dead reckoning. Part 1: Earth's surface (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

GEOMAGNETISM see Magnetism, Terrestrial

GEOMETRY, DESCRIPTIVE

Descriptive geometry: Finding the line of intersection of two solids (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1950.

GEOPHYSICAL PROSPECTING see Prospecting —Geophysical methods

GEOPOLITICS

see also World politics

Evaluating a nation (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

GEORGIA PINE see Longleaf pine

GERM THEORY OF DISEASE

see also Bacteriology

Cleanliness brings health (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Defense against invasion (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Defesa contra invasão (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

La enfermedad se propaga (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

How disease travels (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

O que e a doença? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Que es enfermedad? (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Transmissão das doenças (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

La vacuna; o, Defensa contra la invasión (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

What is disease? (*Motion picture*) **U. S. Office of Inter-**American Affairs, 1945. Produced by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

GERM WARFARE see Biological warfare

GERMAN LANGUAGE
—STUDY AND TEACHING

Audio-lingual techniques for teaching foreign languages—German (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.

GERMAN REFUGEES see Refugees, German

GERMANY

Assignment Germany (*Motion picture*) U. S. Dept. of the Army, 1950.

Germany (*Motion picture*) U. S. Dept. of Defense, 1950.

Introducing Germany (*Motion picture*) North Atlantic Treaty Organization, 1957. Released in the United States by U. S. Dept. of State, 1958.

Let us live (*Motion picture*) U. S. Dept. of State, 1953. Released for educational use in the United States through U. S. Office of Education.

MP highway patrol in Germany (*Motion picture*) U. S. Dept. of the Army, 1953.

GERMANY (Continued)

The Nazis strike (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.

Operation thunderbolt (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

GERMANY (DEMOCRATIC REPUBLIC, 1949-)

Post-war Germany (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

GERMANY (FEDERAL REPUBLIC, 1949-)

Post-war Germany (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

GERMS see **Bacteria; Bacteriology; Germ theory of disease**

GERONTOLOGY see **Aged**

GESTATION see **Pregnancy**

GHOST RANCH MUSEUM, ABIQUIU, N. M. see **Abiquiu, N. M. Ghost Ranch Museum**

GILBERT ISLANDS

Marshall, Gilbert, and Ellice Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

GIPSY-MOTH

Gypsy moth (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Gypsy moth (*Motion picture*) U. S. Dept. of Agriculture, 1961.

GIRL SCOUTS

Wilderness encampment (*Motion picture*) U. S. Dept. of Agriculture, 1961.

GLASS

Glass fractures (*Filmstrip*) U. S. Dept. of the Army, 1955.

GLASS, OPTICAL

Beveling, grooving, and rounding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Fine grinding and polishing (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

Optical inspection methods, part 1 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

Rough grinding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Rough grinding with a curvature generator (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Rough grinding with a vertical surface grinder (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

GLASSWARE

Asian artists in crystal (*Motion picture*) U. S. Information Agency, 1956. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1957.

GLEN CANYON BRIDGE

Operation Glen Canyon (*Motion picture*) U. S. Bureau of Reclamation, 1961.

GLEN CANYON DAM

Canyon conquest (*Motion picture*) U. S. Bureau of Reclamation, 1959.

Operation Glen Canyon (*Motion picture*) U. S. Bureau of Reclamation, 1961.

GLOBULIN

Introduction to the fluorescent treponemal antibody test (*Motion picture*) U. S. Public Health Service, 1959.

GLUCOSE

Chemical techniques: Estimation of blood glucose; Folin-Wu and Somogyi methods (*Motion picture*) U. S. Dept. of the Navy, 1956.

Chemical techniques: Estimation of blood glucose; Sunderman-Fuller method (*Motion picture*) U. S. Dept. of the Navy, 1956.

GOLD ALLOYS

The casting of dental gold alloys: Thermal expansion technique (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1951.

GONORRHEA

Message to women (*Motion picture*) U. S. Public Health Service, 1945. Made by Hugh Harmon Productions.

GOUGES (WOODWORKING) see **Chisels**

GOVERNMENT, RESISTANCE TO

see also **Revolutions**

The third challenge: unconventional warfare (*Motion picture*) U. S. Dept. of Defense, 1963.

GOVERNMENT AEROPLANES see **Aeroplanes, Military**

GOVERNMENT CONTRACTS see **Public contracts**

GOVERNMENT EMPLOYEES see **Civil service**

GOVERNMENT REGULATION OF COMMERCE see **Industry and state**

GOVERNORS (MACHINERY)

BMEP (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Basic hydraulic governor (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Diesel engine governors. Part 1: Woodward governors (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

Powerhead (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Speed drop (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Why engines are governed (*Motion picture*) U. S. Dept. of the Army, 1955.

GRADERS (EARTHMOVING MACHINERY)

Grader, motorized, caterpillar no. 12: Adjustment of the bevel gear and pinion (*Motion picture*) U. S. Dept. of the Army, 1957.

Grader, motorized, caterpillar no. 12: Adjustment of the main flywheel clutch (*Motion picture*) U. S. Dept. of the Army, 1957.

Grader, motorized, caterpillar no. 12: Before operation services (*Motion picture*) U. S. Dept. of the Army, 1957.

Grader, motorized, caterpillar no. 12: Starting and stopping procedures (*Motion picture*) U. S. Dept. of the Army, 1957.

GRAFTING OF SKIN see **Skin-grafting**

GRAIN

—DISEASES AND PESTS

Diseases of cereals (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

Stem rust (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Stem rust (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—STORAGE

Grain sanitation (Filmstrip) U. S. Dept. of Agriculture, 1954.

GRAND COULEE DAM

Columbia frontier (*Motion picture*) U. S. Bureau of Reclamation, 1953. Made by U. S. Dept. of Agriculture.

GRANTS-IN-AID

Better markets—a matching fund success story (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

GRAPEFRUIT

Juiced for you (*Motion picture*) U. S. Dept. of Agriculture, 1952.

GRAPHIC ALGEBRA see **Algebra—Graphic methods**

GRAPHIC METHODS

Making the march graph (*Filmstrip*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

GRASSES

see also **Grazing; Hay; Pastures; Soil-binding**

Better seeds for better grasslands (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Grass (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Grass: The big story (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Harvesting native grass seed (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Preventing wind erosion on the Great Plains: Planting grasses (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Rebuilding with grass (*Motion picture*) U. S. Dept. of Agriculture, 1952.

GRASSHOPPERS see **Locusts**

GRAVES, MILITARY see **Soldiers' bodies, Disposition of**

GRAVITY

The gyroscope and gravitation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

—PHYSIOLOGICAL EFFECT

The ABC of G (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Associated Screen News. Released for public educational use through U. S. Office of Education, 1948.

GRAZING

see also **Pastures; Stock-ranges**

Rangeland research at Manitou (*Motion picture*) U. S. Dept. of Agriculture, 1962.

GREASE see **Lubrication and lubricants; Oils and fats**

GREAT BRITAIN

Introducing the United Kingdom (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by World Mirror Productions, Beaconsfield, Eng. Released in the United States by U. S. Dept. of State, 1956.

GREAT BRITAIN (Continued)

You in Great Britain (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

—COLONIES

American history I, lecture 2: The English colonies dominate North America (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 4: England's American policy leads to revolt (*Motion picture*) U. S. Dept. of Defense, 1956.

GT. BRIT. ARMY. 10th CORPS

Sicily to Naples (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

GREECE, MODERN

Greece (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Introducing Greece (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State, 1956.

GRINDING AND POLISHING

see also Sand-blast

Beveling, grooving, and rounding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Fine grinding and polishing (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

Rough grinding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Rough grinding with a curvature generator (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Rough grinding with a vertical surface grinder (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

GRINDING MACHINES

Endfeed grinding a tapered pin (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Endfeed grinding a tapered pin (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Grinding a deep hole (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a deep hole (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a parallel bar. Part 1: Setting up the machine (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a parallel bar. Part 1: Setting up the machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a parallel bar. Part 2: Grinding operations (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a parallel bar. Part 2: Grinding operations (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a plain pin. Part 2: Grinding operations (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a plain pin. Part 2: Grinding operations (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a slender shaft with back rest (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a slender shaft with back rest (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a straight hole (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a straight hole (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a taper (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a taper (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding a template (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a template (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a V block (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding a V block (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding and facing a blind hole (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding and facing a blind hole (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Grinding multiple-point carbide tools (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Grinding multiple-point carbide tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Grinding single-point carbide tools (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Grinding single-point carbide tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Grinding thin discs (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Grinding thin discs (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

Infeed grinding a shaft of two diameters (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Infeed grinding a shaft of two diameters (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Infeed grinding shouldered work (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Infeed grinding shouldered work (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Plunge cut grinding (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Plunge cut grinding (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Rectificación de una perforación cilíndrica (*Motion picture*) U. S. Office of Education ,1950?,

Sharpening a form relieved cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening a form relieved cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening a plain helical milling cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening a shell end mill (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening a shell end mill (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening a side milling cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening a side milling cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening an angular cutter (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Sharpening an angular cutter (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Thrufeed grinding a straight pin, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Thrufeed grinding a straight pin, part 1 (*Filmstrip*) U. S Office of Education, 1944. Made by Ray-Bell Films.

GRINDING WHEELS

Grinding a plain pin. Part 1: The grinding wheel (*Motion picture*) U. S. Office of Education, 1944. Produced by Emerson Yorke Studio.

Grinding a plain pin. Part 1: The grinding wheel (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

Thrufeed grinding a straight pin, part 2 (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Thrufeed grinding a straight pin, part 2 (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

GRIPPE see Influenza

GRITTI'S AMPUTATION see Amputations of leg

GROCERY TRADE

Retailing fish (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

GROUND CONTROLLED APPROACH

Ground controlled approach equipment: Alignment of AN/CPN-4A (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Ground controlled approach equipment: Siting (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

GROUP DISCUSSION see Discussion; Forums (Discussion and debate)

GROUP DYNAMICS see Social groups

GROUP PSYCHOTHERAPY

Mind in the making (*Motion picture*) U. S. Veterans Administration, 1958.

GROWLER (SUBMARINE)

The Growler story (*Motion picture*) U. S. Dept. of the Navy, 1958.

GUADALAJARA, MEXICO

Guadalajara (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

GUADALCANAL (AIRCRAFT CARRIER)

Away boarders (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.

GUAGES see Gages

GUANIDINE

Modification of radiation injury in mice (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

GUIDANCE, VOCATIONAL see Vocational guidance

GUIDED MISSILES

see also Ballistic missiles; Nike rocket; V-2 rocket

Aerobee (*Motion picture*) U. S. Dept. of Defense, 1951.

The Air Force missile mission (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The Air Force story: Entering the era of missiles (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Animals in rocket flight (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The broken bridge (*Motion picture*) U. S. Dept. of the Army, 1961.

Challenge of outer space (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

Count down (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Holloman: Frontier of the future (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Missile recovery (*Motion picture*) U. S. Dept. of the Army, 1960.

Missiles of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1958.

GUIDED MISSILES (Continued)

Signals for missiles (*Motion picture*) U. S. Dept. of the Army, 1958.

Terrier, the new fleet weapon (*Motion picture*) U. S. Dept. of the Navy, 1954.

Transportation of missiles (*Motion picture*) U. S. Dept. of the Air Force, 1958.

VT bomb and rocket fuzes (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

—GUIDANCE SYSTEMS

The USAF calibration program (*Motion picture*) U. S. Dept. of the Air Force, 1962.

—SAFETY MEASURES

Guided missile safety, part 1: Shop safety (*Motion picture*) U. S. Dept. of the Army, 1961.

Missile explosive device safety (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Missile safety at Vandenberg Air Force Base (*Motion picture*) U. S. Dept. of the Air Force, 1960.

—TESTING

Countdown at White Sands (*Motion picture*) U. S. Dept. of the Army, 1960.

Environmental testing at White Sands Missile Range (*Motion picture*) U. S. Dept. of the Army, 1961.

Frequency coordination at White Sands (*Motion picture*) U. S. Dept. of the Army, 1962.

Milestones in missilery (*Motion picture*) *U. S. Dept. of the* Army, 1961.

Proving Army missiles at White Sands (*Motion picture*) U. S. Dept. of the Army, 1962.

What goes up - - - - - (*Motion picture*) U. S. Dept. of the Army, 1960.

—TRACKING

Accuracy plus: The AN/FPS 16 instrumentation radar at White Sands (*Motion picture*) U. S. Dept. of the Army, 1961.

From flight to facts (*Motion picture*) U. S. Dept. of the Army, 1960.

GULF INTRACOASTAL WATERWAY see Intracoastal Waterway—Gulf section

GUMS AND RESINS

Denture resin (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1949.

GUN-CARRIAGES

Fundamentals of artillery weapons. Part 2: Types and components of carriage (*Motion picture*) U. S. War Dept., 1944.

GUNNERY

see also Aerial gunnery; Artillery; Ballistics; Bombing and gunnery ranges; Explosives; Firearms; Rifle practice; Shooting, Military

Field artillery sight tests and adjustments (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

GUNNERY RANGES see Bombing and gunnery ranges

GUNS see Firearms; Rifles

GYPSY-MOTH see Gipsy-moth

GYRO COMPASS

The compass system (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

The gyroscope and gravitation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

GYROSCOPE

see also Stability of aeroplanes; Stability of helicopters

The gyroscope and gravitation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

H

HABITS OF ANIMALS see Animals, Habits and behavior of

HACKSAWS

Care and use of hand tools. Part 3: Hacksaws (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

HALIBUT FISHERIES

Pacific halibut fishing (*Motion picture*) U. S. Fish and Wildlife Service, 1949.

HAMMERS

Hammers (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

HAMPTON ROADS

—HARBOR

Deep waters (*Motion picture*) U. S. Army Engineers, 1949.

HAND

—FRACTURE

Fractures about the wrist and hand (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

—SURGERY

Plastic and reconstruction surgery of the hand (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

Plastic surgery of the hand (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Wounds of the hand (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

HAND-TO-HAND FIGHTING see Fighting, Hand-to-hand

HAND WASHING

Handwashing in patient care (*Motion picture*) U. S. Public Health Service, 1961.

HANDICAPPED

—REHABILITATION see Rehabilitation; Vocational rehabilitation

HANDICRAFT

see also Models and modelmaking; Occupational therapy

Army crafts program (*Filmstrip*) U. S. Dept. of the Army, 1953.

Colonial home industries (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. National Museum, 1939.

Shipbuilders of Essex (*Motion picture*) U. S. Dept. of State, 1949. Made by Joseph Krumgold. Released for educational use in the United States through U. S. Office of Education, 1950.

HANDLING OF FOOD see Food handling

HANDLING OF MATERIALS see Materials handling

HANDWRITING see Penmanship

HANSEN'S DISEASE see Leprosy

HARBOR DEFENSES see Coast defenses

HARDNESS

—TESTING

Hardness testing: Rockwell (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Hardness testing: Rockwell (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

HARVESTING MACHINERY

see also Mowing-machines

Agricultural engineering—the profession with a future (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.

HAWAII. UNIVERSITY, HONOLULU. CHOIR

The Hawaii University choir in Japan (*Motion picture*) U. S. Information Agency, 1959. Released for public educational use in the United States through U. S. Office of Education, 1959.

HAY

see also Alfalfa; Grasses

Hay is what you make it (*Motion picture*) U. S. Dept. of Agriculture, 1946.

HEAD

see also Brain; Face; Jaws; Mouth; Skull

Masseter, temporal muscles and temporal fascia (*Motion picture*) U. S. Veterans Administration, 1959.

—SURGERY

see also Brain—Surgery; Skull—Surgery

Head injury, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

The preparation and insertion of tantalum plate (*Motion picture*) U. S. War Dept., 1946.

—WOUNDS AND INJURIES

Head injury, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

HEALTH see Hygiene

HEALTH EDUCATION

Cancer education (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

HEALTH OF INFANTS see Infants—Care and Hygiene

HEALTH OF WOMEN see Women—Health and hygiene

HEALTH OF WORKERS see Industrial hygiene

HEARING

—TESTING see Audiometry

HEART

see also Pulse

—DISEASES

see also Pericarditis; Rheumatic heart disease

Care of the cardiac patient (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

HEART

—DISEASES (Continued)

Care of the cardiac patient (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

A report to the Nation (*Motion picture*) U. S. Public Health Service and the American Heart Association, 1960. Made by Potomac Film Producers.

—EXAMINATION

Experimental diving unit: Evaluation of physical fitness by one step-up test (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—FOREIGN BODIES

Foreign bodies in the pericardium and heart (*Motion picture*) U. S. War Dept., 1946.

—SURGERY

Pericardiectomy for chronic constrictive pericarditis (*Motion picture*) U. S. Veterans Administration, 1957.

HEAT

see also Aerodynamic heating; Cold; Combustion; Fire; Steam; Thermometers and thermometry; Thermotherapy

Heat and its control (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

—PHYSIOLOGICAL EFFECT

see also Heatstroke

General effects of heat on man (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

Heat disorders: General effects of heat on man (*Motion picture*) U. S. Dept. of the Army, 1960.

Heat disorders: Heat exhaustion, heat stroke, and cramps (*Motion picture*) U. S. Dept. of the Army, 1952.

Prevention of heat casualties (*Motion picture*) U. S. Navy Dept., 1959. Made by Gilbert Altchul Productions.

Therapeutic uses of heat and cold. Part 1: Administering hot applications (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Therapeutic uses of heat and cold. Part 1: Administering hot applications (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

HEAT BARRIER see Aerodynamic heating

HEAT RESISTANT ALLOYS

High temperature materials (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

HEAT TREATMENT OF STEEL see Steel—Heat treatment

HEATSTROKE

First aid for heat stroke and heat exhaustion (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Herbert Kerkow.

Heat disorders: Heat exhaustion, heat stroke, and cramps (*Motion picture*) U. S. Dept. of the Army, 1952.

HEAVY WATER REACTORS

The HWCTR and the heavy water power reactor program (*Motion picture*) U. S. Atomic Energy Commission, 1962.

Homogeneous reactor experiment 2 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

HEEL FLIES see Warble-flies

HEIGHTS see Altitudes

HELICIDAE see Snails

HELICOPTERS

see also Automatic pilot (Helicopters); Convertiplanes; Jet helicopters; Rotors (Helicopters)

Advanced helicopter flight principles, part 1 (*Motion picture*) U. S. Dept. of the Army, 1956.

Advanced helicopter flight principles, part 2 (*Motion picture*) U. S. Dept. of the Army, 1956.

Armed Forces screen magazine, no. 503 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

Basic helicopter flight principles (*Motion picture*) U. S. Dept. of the Army, 1956.

Ground handling of aircraft. Part 2: Rotary wing aircraft (*Motion picture*) U. S. Dept. of the Army, 1957.

The helicopter as an aid in Alaska surveys (*Motion picture*) U. S. Geological Survey, 1952.

Helicopter: Emergency procedures. Part 1: Blade stalls (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter maintenance. Part 1: Helicopter power plants (*Motion picture*) U. S. Dept. of the Army, 1957.

Helicopter maintenance. Part 2: Transmissions and free wheeling units (*Motion picture*) U. S. Dept. of the Army, 1957.

Helicopter maintenance. Part 3: Introduction to power trains (*Motion picture*) U. S. Dept. of the Army, 1957.

Helicopter orientation: Introduction to helicopters (*Motion picture*) U. S. Dept. of the Army, 1958.

Helicopter orientation: Introduction to rotary wing flight (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

Helicopter orientation: Operation of the single main rotor helicopter (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

Helicopter orientation: The basic anatomy of the helicopter (*Motion picture*) U. S. Dept. of the Navy, 1952 Made by Wilding Picture Productions.

Helicopter post flight inspection: The H–34 (*Motion picture*) U. S. Dept. of the Army, 1957.

Helicopter rescue at sea (*Motion picture*) U. S. Dept. of the Navy, 1959.

Helicopter special delivery (*Motion picture*) U. S. Dept. of the Army, 1953.

Helicopter weight and balance (*Motion picture*) U. S. Dept. of the Army, 1957.

Helicopters in fire control (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Landbased helicopter operations: Functions (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.

Shipboard helicopter operations: Functions (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.

The story of the helicopter (*Motion picture*) U. S. Army Air Forces, 1944.

—HANDLING CHARACTERISTICS

Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

—MAINTENANCE AND REPAIR

Maintaining the HLT training type helicopter: Rotor systems and related controls (*Motion picture*) U. S. Dept. of the Navy, 1952.

Maintaining the HUP service type helicopter: Rotor systems and related controls (*Motion picture*) U. S. Dept. of the Navy, 1952.

—MODELS—TESTING

Ground vibration tests of the XH-17 dynamic helicopter model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

—PILOTING

Advanced helicopter flight training. Part 1: Confined area operations (*Motion picture*) U. S. Dept. of the Army, 1957.

Basic helicopter flight training. Part 1: Pilot's pre-flight inspection (*Motion picture*) U. S. Dept. of the Army, 1957.

Helicopter: Arctic operations (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Helicopter: Emergency procedures. Part 2: Emergency procedures in the H–13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Emergency procedures. Part 3: Emergency procedures in the H–19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Emergency procedures. Part 4: Emergency procedures in the H–21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Mountain operations (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Intermediate helicopter flight training. Part 1: Take-off and flight procedures (*Motion picture*) U. S. Dept. of the Army, 1957

Intermediate helicopter flight training. Part 2: Autorotations (*Motion picture*) U. S. Dept. of the Army, 1957.

Landbased helicopter operations: Precautions (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.

Primary helicopters flight training. Part 2: Primary flight maneuvers (*Motion picture*) U. S. Dept. of the Army, 1957.

Shipboard helicopter operations: Landing and take-offs (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.

—STABILITY see Stability of helicopters

HEMIPLEGIA see Paralysis

HEMOGLOBIN

Chemical techniques: Oxyhemoglobin method for measuring hemoglobin (*Motion picture*) U. S. Dept. of the Navy, 1955.

HEMORRHAGE

Control of hemorrhage (*Motion picture*) U. S. Dept. of the Army, 1958.

First aid for all hands: Bleeding (*Motion picture*) U. S. Dept. of the Navy, 1959.

HEMORRHAGIC FEVER

Hemorrhagic fever: Clinical features (*Motion picture*) U. S. Dept. of the Army, 1955.

HEMOSTASIS see Hemorrhage

HENRY FRANCIS DU PONT WINTERTHUR MUSEUM

Winterthur: An adventure in the past (*Motion picture*) U. S. Information Agency, 1960. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.

HENS see Poultry

HERBAGE see Grasses

HEREDITARY ATAXIA see Friedreich's disease

HERNIA

Transthoracic repair of sliding hiatal hernia (*Motion picture*) U. S. Veterans Administration, 1955.

HEROISM see Courage

HERTZIAN WAVES see Radio waves

HESSIAN FLIES

The Hessian fly and its control (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

HIGH ALTITUDE ROCKET RESEARCH see Atmosphere, Upper—Rocket observations

HIGH-ALTITUDE SUITS see Pressure suits

HIGH-FREQUENCY RADIO see Radio, Short wave

HIGH-SPEED AERONAUTICS

see also Aeroplanes—Jet propulsion; Rockets (Aeronautics)

NACA high-speed flight research station (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

HIGH TEMPERATURE METALS see Heat resistant alloys

HIGHER LAW see Government, Resistance to

HIGHWAY ACCIDENTS see Traffic accidents

HIGHWAY DRAINAGE see Road drainage

HIGHWAY ENGINEERING see Road construction

HIGHWAY PATROLS see Traffic police

HIGHWAY POST OFFICES

Men and mail in transit (*Motion picture*) U. S. Post Office Dept., 1956. Made by U. S. Dept. of Agriculture.

HIGHWAY SAFETY see Traffic safety

HIGHWAY TRANSPORTATION see Transportation, Automotive

HIP JOINT

—SURGERY

Surgical approaches to the hip joint (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.

HIROSHIMA

The atom strikes (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

HISTOLOGY, PATHOLOGICAL

Histopatholgical technique: Processing a gross specimen (*Motion picture*) U. S. Dept. of the Navy, 1954.

HISTORY, MODERN

—20th CENTURY

The significant years (*Motion picture*) U. S. Dept. of Defense, 1960.

The world at war (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

HOBBIES

Creative leisure (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

HOG CHOLERA

Hog cholera and African swine fever: A comparison (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Hog cholera eradication (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

HOG HOUSES see Swine houses and equipment

HOGS see Swine

HOISTING MACHINERY

see also Conveying machinery; Cranes, derricks, etc.; Windlasses; Wire-rope transportation

ABC warfare defense ashore: Rescue operations; lifting devices, shoring (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

Expedients (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

Safe practices in the hoisting of material (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

HOLLAND see Netherlands

HOLLOMAN AIR FORCE BASE MISSILE TEST CENTER see U.S. Air Force Missile Development Center, Holloman Air Force Base, N.M.

HOME DEMONSTRATION WORK

Home demonstration membership studies (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

HOME ECONOMICS

see also Consumer education; Dishwashing; Food; Household pests; Laundry; Marketing (Home economics)

For a bright home life (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

Homemaking in colonial days (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Measuring home management (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with Michigan State College, 1950.

Step by step in everyday tasks (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Washington State Extension Service, 1944.

—EQUIPMENT AND SUPPLIES

A step-saving kitchen (*Motion picture*) U. S. Dept. of Agriculture, 1948.

A step-saving U kitchen (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

HOME NURSING

One minute past three (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

Prairie schooner, space age model (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

Target: babies and children (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

HONEY

see also Bee culture; Bees

First lessons in beekeeping (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

HOOKWORM DISEASE

Hookworm disease and hookworm infection (*Filmstrip*) U. S. Public Health Service, 1948.

The problem of hookworm infection (*Motion picture*) U. S. Public Health Service, 1954.

HOOKWORMS

Ancylostoma caninum in the intestine of the dog (*Motion picture*) U. S. Public Health Service, 1952.

Infective larvae of ancylostoma caninum (*Motion picture*) U. S. Public Health Service, 1952.

The problem of hookworm infection (*Motion picture*) U. S. Public Health Service, 1954.

HOOVER DAM

Hoover Dam (*Motion picture*) U. S. Dept. of State, 1949. Made by Simmel-Meservey. Released for educational use in the United States through U. S. Office of Education, 1950.

HORSE TRAILS see Trails

HORSEMANSHIP

Horse sense (*Motion picture*) U. S. Dept. of Agriculture, 1953.

HORSES

Horse sense (*Motion picture*) U. S. Dept. of Agriculture, 1953.

HORSESHOEING

Horseshoeing (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Horseshoeing (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

HOSPITAL CARE

Working together (*Motion picture*) U. S. Public Health Service, 1962.

HOSPITAL HOUSEKEEPING

"Dusty": How to wage war on dust (*Filmstrip*) U. S. Veterans Administration, 1956.

"Moppy": New methods for easier mopping (*Filmstrip*) U. S. Veterans Administration, 1956.

"Sweepy": A message of sweeping importance (*Filmstrip*) U. S. Veterans Administration, 1956.

"Waxey": Tips on the fine art of waxing (*Filmstrip*) U. S. Veterans Administration, 1956.

HOSPITAL SOCIAL WORK see Medical social work

HOSPITALS

see also Clinics; Medicine, Clinical; Nurses and nursing; Nursing homes; Volunteer workers in hospitals

Another light (*Motion picture*) U. S. Public Health Service, 1952. Made by Film Documents.

The hospital of tomorrow (*Filmstrip*) U. S. Public Health Service, 1948.

—ADMINISTRATION

Construction of the Little Rock Veterans Administration Hospital, part 2 (*Motion picture*) U. S. Army Engineers, 1951.

—CONSTRUCTION

Construction of the Little Rock Veterans Administration Hospital, part 1 (*Motion picture*) U. S. Army Engineers, 1951.

Fallout protection for hospitals (*Motion picture*) U. S. Public Health Service, 1962.

—FOOD SERVICE

Hospital food service personnel training. Part 4: Serving food (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—HYGIENE

Hospital food service personnel training. Part 2: The individual (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Hospital food service personnel training. Part 3: Equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Hospital sanitation (*Motion picture*) U. S. Dept. of the Army, 1951.

—STAFF

The hospital ward team (*Motion picture*) U. S. Dept. of the Army, 1955.

Rx attitude (*Motion picture*) U. S. Veterans Administration, 1952.

HOSPITALS, MILITARY

see also First aid in illness and injury

The evacuation hospital (*Motion picture*) U. S. War Dept., 1945.

Evacuation of casualties (*Motion picture*) U. S. Dept. of the Army, 1952.

Evacuation of the wounded (*Motion picture*) U. S. War Dept., 1944.

General hospital (*Motion picture*) U. S. War Dept., 1945.

The gift you bring (*Motion picture*) U. S. Veterans Administration, 1960.

Operating room procedures (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Polaris Pictures.

Within the town (*Motion picture*) U. S. Veterans Administration, 1952.

HOT-AIR TREATMENT see Thermotherapy

HOURS (TIME) see Time

HOUSE FITTINGS see Building fittings

HOUSE-FLIES see Flies

HOUSE PAINTING

Repainting a frame building (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Repainting a frame building (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

HOUSEHOLD MANAGEMENT see Home economics

HOUSEHOLD PESTS

DDT in the control of household insects (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Domestic vector control by basic sanitation (*Filmstrip*) U. S. Public Health Service, 1958.

HOUSEHOLD SANITATION see Sanitation, Household

HOUSEHOLD UTENSILS see Kitchen utensils

HOUSEKEEPING see Home economics

HOUSES see Dwellings

HOUSING

Housing in Chile (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

When work is done (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

—FINANCE

Home buying (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

HULLS (NAVAL ARCHITECTURE)

see also Planing hulls

Bending oak techniques (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Eastern Sound Studios. Released for public educational use through U. S. Office of Education, 1950.

HULMECAS see Olmecs

HUMAN ANATOMY see Anatomy, Human

HUMAN RELATIONS see Interpersonal relations

HUMERUS

—FRACTURE

Fractures of the humerus (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.

HUNGARIAN REFUGEES see Refugees, Hungarian

HUNGARIANS IN THE U.S.

Immigrants (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

HUNGARY

Hungarian fight for freedom (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.

A nation in torment (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.

Revolt of a generation (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News.

HURRICANES

see also Cyclones

Hurricane circuit (*Motion picture*) U. S. Dept. of State, 1949. Made by Knickerbocker Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

Hurricane hunters (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Hurricane hunters (*Motion picture*) U. S. Dept. of the Navy, 1956.

Hurricane Hunters (*Motion picture*) U. S. Dept. of the Navy, 1961.

Hurricane watch (*Motion picture*) U. S. Weather Bureau, 1956. Made by U. S. Dept. of Agriculture.

HYDRAULIC BRAKES

Hydraulic brakes: Principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

HYDRAULIC ENGINEERING

see also Boring; Drainage; Flood control; Irrigation; Reclamation of land; Water-supply engineering; Wells

By their deeds (*Motion picture*) U. S. Bureau of Reclamation, 1957.

Restless river (*Motion picture*) U. S. Army Engineers, 1957.

HYDRAULIC MACHINERY

see also Aeroplanes—Hydraulic equipment; Hydraulic brakes; Hydraulic motors; Oil hydraulic machinery; Pumping machinery; Turbines

Hydraulic steering, principles of operation (*Motion picture*) U. S. Dept. of the Army, 1956.

HYDRAULIC MODELS

Problem at Port Washington (*Motion picture*) U. S. Army Engineers, 1951.

Rivers in miniature (*Motion picture*) U. S. Army Engineers, 1954.

Speaking of models (*Motion picture*) U. S. Army Engineers, 1958.

HYDRAULIC MOTORS

Denison hydraulic pumps and motors, disassembly and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1961.

HYDRAULIC PRESSES

Forming with rubber on the hydraulic press (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Forming with rubber on the hydraulic press (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

HYDRAULIC TRANSMISSION see Oil hydraulic machinery

HYDRAULICS

see also Fire extinction

Application of Pascal's law, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

Application of Pascal's law, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

Derivation of Pascal's law, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

Derivation of Pascal's law, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

Four experiments in hydraulics (*Motion picture*) U. S. National Bureau of Standards, 1953.

HYDROFOILS see Planing hulls

HYDROGEN BOMB

see also Atomic bomb; Radioactive fallout

Operation Ivy (*Motion picture*) U. S. Dept. of the Air Force, 1954. Released for public use by U. S. Federal Civil Defense Administration.

HYDROGRAPHIC CHARTS see Nautical charts

HYDROGRAPHIC SURVEYING

see also Navigation

Establishing primary survey control points (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.

Hydrography for charting: Position fixing (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

Secondary survey, control points, and hydrographic developments (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.

HYDROGRAPHY

see also Drags (Hydrography); Hydrographic surveying; Inland navigation; Ocean currents; Rivers; Sounding and soundings; Tides

Activities of the U. S. Coast and Geodetic Survey (*Motion picture*) U. S. Coast and Geodetic Survey, 1953.

HYDROPHOBIA see Rabies

HYDROTHERAPY

Hydrotherapy (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Hydrotherapy (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Hydrotherapy procedures for the neuropsychiatric patient (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.

HYGIENE

see also Baths; Callisthenics; Diet; Exercise; Food; Hand washing; Infants—Care and hygiene; Mental hygiene; Military hygiene; Naval hygiene; Physiology; Sanitation; Tropics—Diseases and hygiene; Water—Pollution; Woman—Health and hygiene

Air Force industrial medicine in action (*Motion picture*) U. S. Dept. of the Air Force, 1958.

The bluejacket's personal hygiene (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by March of Time. Released for public educational use through U. S. Office of Education, 1948.

Cleanliness brings health (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Disease and personal hygiene (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

—STUDY AND TEACHING see Health education

HYGIENE, DENTAL see Teeth—Care and hygiene

HYGIENE, INDUSTRIAL see Industrial hygiene

HYGIENE, PUBLIC

see also Communicable diseases; Food adulteration and inspection; Hospitals; Industrial hygiene; Meat inspection; Medicine, Preventive; Noise; Public health laboratories; Public health nursing; Quarantine; Refuse and refuse disposal; Sanitary engineering; Sanitation; Sewage disposal; Ships—Sanitation; Swimming pools; Vaccination; Water—Pollution; Water-supply

El centro de salubridad (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Concrete ditching for malaria control (*Motion picture*) U. S. Public Health Service, 1949.

A drop in the bucket (*Motion picture*) U. S. Public Health Service, 1952. Made by Warner Pathé.

Dynamite (*Motion picture*) U. S. Public Health Service, 1944.

La enfermedad se propaga (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

HYGIENE, PUBLIC (Continued)

Environmental sanitation (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Fluoridation (*Motion picture*) U. S. Public Health Service, 1952.

Fluoridation story (*Motion picture*) U. S. Public Health Service, 1951.

How disease travels (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Hydraulic dredging (*Motion picture*) U. S. Public Health Service, 1947.

Journey into medicine (*Motion picture*) U. S. Dept. of State, 1947. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education and U. S. Public Health Service, 1949.

Mercados asseiados (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp

Mercados higiénicos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Pole drainage (*Motion picture*) U. S. Public Health Service, 1946.

A policlinica da sua cidade (*Motion picture*) U. S. Instituto of Inter-American Affairs, 1947. Made by Apex Film Corp.

Public health problems in mass evacuation (*Motion picture*) U. S. Public Health Service, 1957.

Saneamento geral (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Saneamiento del ambiente (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

The sanitary market (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Service with distinction (*Motion picture*) U. S. Public Health Service, 1959.

The setting of endemic schistosomiasis in Puerto Rico (*Motion picture*) U. S. Public Health Service, 1948.

Transmissão das doenças (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Your health center (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

HYGIENE, SEXUAL

see also Sexual ethics; Venereal diseases

To be held in honor (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Universal Productions. Released for public educational use through U. S. Office of Education, 1951.

HYGIENE, TROPICAL see Tropics—Diseases and hygiene

HYPERCAPNIA

Buffering of carbon dioxide during hypercapnia (*Motion picture*) U. S. Dept. of the Army, 1963.

HYPOCHLORINATORS

Operation of hypochlorinators (*Filmstrip*) U. S. Public Health Service, 1957.

HYPODERMIC INJECTIONS see Injections, Hypodermic

HYSTERECTOMY

see also Uterus—Surgery

Cesarean hysterectomy (Porro) (*Motion picture*) U. S. Dept. of the Army, 1952.

HYSTERIA

see also Nervous system—Diseases

A clinical picture of anxiety hysteria (*Motion picture*) U. S. Veterans Administration, 1952.

I

ICE

see also Building, Ice and snow; Icebergs; Transportation, Military—Cold weather conditions

—ARCTIC REGIONS

Ice cap drilling (*Motion picture*) U. S. Army Engineers, 1958.

Icecap, II (*Motion picture*) U. S. Dept. of the Army, 1954.

Operations in sea ice: Identification of sea ice (*Motion picture*) U. S. Dept. of the Navy, 1953.

Ships, men, and ice (*Motion picture*) U. S. Dept. of the Navy, 1953.

ICE-BREAKING VESSELS

Armed forces screen magazine, no. 506 (*Motion picture*) U. S. Dept. of Defense, 1953.

Coast Guard icebreakers (*Motion picture*) U. S. Coast Guard, 1958.

Cruising the northern seas (*Motion picture*) U. S. Dept. of the Navy, 1953.

Ice breaker (*Motion picture*) U. S. Dept. of the Navy, 1952.

Ships, men, and ice (*Motion picture*) U. S. Dept. of the Navy, 1953.

ICE CORING RIGS

Ice cap drilling (*Motion picture*) U. S. Army Engineers, 1958.

ICE-MACHINERY see Refrigeration and refrigerating machinery

ICE ON AEROPLANES see Aeroplanes—Ice prevention

ICE SEAMANSHIP see Seamanship—Cold weather conditions

ICEBERGS

see also International ice patrol

Operations in sea ice: Identification of sea ice (*Motion picture*) U. S. Dept. of the Navy, 1953.

ICELAND

Iceland (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Introducing Iceland (*Motion picture*) North Atlantic Treaty Organization, 1955. Released in the United States by U. S. Dept. of State, 1956.

IDAHO

Idaho and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with the Richfield Oil Corp., 1956. Made by Norman Wright Productions.

IDENTIFICATION OF CATTLE see Cattle —Marking

IGLOOS

Arctic igloo (*Motion picture*) U. S. Dept. of Defense, 1948.

Construction of Arctic igloo (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

IGNITION DEVICES see Automobiles—Ignition; Gas and oil engines—Ignition; Magneto; Spark-plugs

ILLUMINATION see Lighting

ILLUSTRATION OF BOOKS

Armed Forces screen magazine, no. 545 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

IMMUNITY

see also Antigens and antibodies; Communicable diseases; Vaccination

Military immunization: General procedures (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Depicto Films Corp

IMPEDANCE (ELECTRICITY)

see also Electric resistance; Reactance (Electricity)

RCL (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

RCL (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

IN-SERVICE TRAINING see Employees, Training of

INDIAN CORN see Maize

INDIANA. BALL STATE TEACHERS COLLEGE, MUNCIE

Preparation of teachers (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

INDIANS OF MEXICO

Jungle quest for the great stone heads (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Pátzcuaro (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

INDICATORS FOR STEAM-ENGINES

Steam engine indicator (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

INDOCHINA

An introduction to Indo-China (*Filmstrip*) U. S. Public Health Service, 1951.

INDONESIA

A house, a wife, and a singing bird (*Motion picture*) U. S. Information Agency, 1957. Released for public educational use in the United States through U. S. Office of Education.

INDUCTANCE

see also Reactance (Electricity)

Basic electricity: Inductance in AC circuits (*Motion picture*) U. S. Dept. of the Navy, 1959.

Inductance (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Inductance (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

INDUSTRIAL ACCIDENTS

see also Electricity, Injuries from

Safety in the shop (*Motion picture*) U. S. Office of Education, 1944. Made by Century Productions.

Seguridad en el taller (*Motion picture*) U. S. Office of Education [1959?]

To live in darkness (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

INDUSTRIAL EDUCATION see Technical education

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL EXHIBITIONS see Exhibitions

INDUSTRIAL FILMS see Moving-pictures in industry

INDUSTRIAL HYGIENE

Air Force industrial medicine in action: Physical hazards (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Industrial hygiene and safety: Breathe and live (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.

Operation of industrial hygiene survey equipment: Relative humidity, temperature, and air pressure instruments (*Motion picture*) U. S. Dept. of the Air Force, 1957.

A plant health program (*Filmstrip*) U. S. Public Health Service, 1955.

—INSTRUMENTS

Operation of industrial hygiene survey equipment: Toxic and combustible gas detectors (*Motion picture*) U. S. Dept. of the Air Force, 1957.

INDUSTRIAL MANAGEMENT

see also Efficiency, Industrial; Foremen; Materials handling; Office management; Personnel management; Shipment of goods

The engineered performance standards program (*Motion picture*) U. S. Dept. of the Navy, 1963. Made by MPO Productions.

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL MUSEUMS

Museum of Science and Industry (*Motion picture*) U. S. Dept. of State, 1948. Made by Herbert Kerkow Productions. Released for educational use in the United States through U. S. Office of Education, 1960.

INDUSTRIAL PLANT PROTECTION see Factories—Protection

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SECURITY MEASURES see Industry—Security measures

INDUSTRIES, CHEMICAL see Chemical industries

INDUSTRY

see also Employees' representation in management; Moving-pictures in industry

—SECURITY MEASURES

Civilian guard services (*Motion picture*) U. S. Dept. of the Army, 1959.

INDUSTRY AND STATE

see also Agriculture and state

American history II, lecture 4: The role of government in the economic life of the country (*Motion picture*) U. S. Dept. of Defense, 1956.

INERTIA, MOMENTS OF see Moments of inertia

INFANTS

Year of birth (*Motion picture*) U. S. Public Health Service, 1958.

—CARE AND HYGIENE

Care of the newborn baby: The nurse's role in instructing the parents (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

Care of the newborn baby: The nurse's role in instructing the parents (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

Como cuidar da criança (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Conselhos para as mães (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Cuidado de la madre (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

El cuidado del niño (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Infant care (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Wise parents, healthy babies (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

—DISEASES—DIAGNOSIS

Neurological examination of the one year old (*Motion picture*) U. S. Public Health Service, 1960. Made by Churchill-Wexler Film Productions.

—NUTRITION

Como cuidar da criança (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

El cuidado del niño (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Infant care (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

INFANTS (NEW-BORN)

—DISEASES—DIAGNOSIS

Neurological examination of the newborn infant (*Motion picture*) U. S. Public Health Service, 1960. Made by Churchill-Wexler Film Productions.

INFECTIOUS DISEASES see Communicable diseases

INFIRMARIES see Hospitals

INFLUENZA

The epidemiology of influenza (*Motion picture*) U. S. Public Health Service, 1950.

—DIAGNOSIS

Techniques of laboratory diagnosis of influenza (*Motion picture*) U. S. Public Health Service, 1960.

INJECTIONS, HYPODERMIC

Technique and sites for subcutaneous and intramuscular injections (*Filmstrip*) U. S. Dept. of the Army, 1954.

INJECTIONS, INTRAVENOUS

Intravenous administration of fluids (*Motion picture*) U. S. Navy Dept., 1950. Made by Willard Pictures.

INJECTIONS, SUBCUTANEOUS see Injections, Hypodermic

INJECTORS

General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

General Motors diesel engine unit injectors: Maintenance (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Injection nozzle (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Injector block reconditioning and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Injector block removal and disassembly (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Injector block replacement and timing (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Reassembly. Part 2: Head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Removal of injection nozzles (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public education use through U. S. Office of Education, 1948.

Replacement of injection nozzles (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

INJURIES see Accidents; First aid in illness and injury; Wounds

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INJURIOUS INSECTS see Insects, Injurious and beneficial

INLAND NAVIGATION

see also Rivers; Towing

Big river (*Motion picture*) U. S. Army Engineers, 1953.

Flood weather (*Motion picture*) U. S. Weather Bureau, 1957.

INSANITY, HYSTERICAL see Hysteria

INSECT TRAPS

The collection of adult flies (*Motion picture*) U. S. Public Health Service, 1949.

The collection of adult flies (*Filmstrip*) U. S. Public Health Service, 1949.

Fly density surveys by the grill method (*Motion picture*) U. S. Public Health Service, 1949.

Fly density surveys by the grill method (*Filmstrip*) U. S. Public Health Service, 1949.

INSECTICIDES

see also Spraying

Biology and control of the cockroach (*Motion picture*) U. S. Public Health Service. 1960.

Space spraying of insecticides (*Motion picture*) U. S. Public Health Service, 1961.

The use of aircraft for insect control. Part 1: Mosquito control (*Motion picture*) U. S. Public Health Service, 1949.

INSECTS

see also Ants; Larvae

—ANATOMY

Insects, their growth and structure (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

—COLLECTION AND PRESERVATION

The collection and shipment of insects (*Filmstrip*) U. S. Public Health Service, 1957.

—DEVELOPMENT

Insects, their growth and structure (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

INSECTS, INJURIOUS AND BENEFICIAL

see also Household pests; Insecticides

Como exterminar os insectos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

DDT in the control of household insects (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Exterminación de las plagas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Insect enemies (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

New techniques for rearing blood-sucking insects (*Filmstrip*) U. S. Public Health Service, 1951.

Unwanted aliens (*Motion picture*) U. S. Dept. of Agriculture, 1961.

INSECTS AS CARRIERS OF PLANT DISEASES

Grain sanitation (Filmstrip) U. S. Dept. of Agriculture, 1954.

INSOMNIA

see also Narcotics

Insomnia (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

INSTITUTE FOR CHILD STUDY, UNIVERSITY OF MARYLAND see Maryland. University. Institute for Child Study

INSTRUCTION see Education; Teaching

INSTRUMENT FLYING

Flight through instruments: Basic instrument flying (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Polaris Pictures.

Flight through instruments: Enroute procedures (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.

Flight through instruments: Terminal procedures (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.

Instrument flight rules (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

Instrument flying techniques: Approach procedures (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Instrument flying techniques: Basic instruments (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Instrument flying techniques: Take off and unusual attitudes (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Orientation: The 90 degree method (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

INSTRUMENT LANDING SYSTEMS

see also Ground controlled approach

Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

ILS: Instrument landing system (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Instrument flying techniques: Approach procedures (*Motion picture*) U. S. Dept. of the Air Force, 1961.

INSTRUMENTS, AERONAUTICAL see Aeronautical instruments

INSTRUMENTS, MEDICAL see Medical instruments and apparatus

INSTRUMENTS OF WAR see Munitions

INSULATION (HEAT)

see also Steam-pipe coverings

Covering hot and cold pipes (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Covering hot and cold pipes (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Heat and its control (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

INSULIN

Insulin and its use (*Filmstrip*) U. S. Public Health Service, 1950.

Insulin reaction (*Filmstrip*) U. S. Public Health Service, 1950.

INSURANCE, AGRICULTURAL

—CROPS

The big gamble (*Motion picture*) U. S. Dept. of Agriculture, 1953.

INSURANCE, DISABILITY

The long haul (*Motion picture*) U. S. Social Security Administration, 1962.

INSURANCE, SOCIAL

see also Insurance, Disability

Before the day (*Motion picture*) U. S. Social Security Administration, 1960.

Looking ahead (*Motion picture*) U. S. Social Security Administration, 1952. Produced by U. S. Dept. of Agriculture.

Sam'l and social security (*Motion picture*) U. S. Social Security Administration, 1958. Made by Creative Arts Studio.

The social security story (*Motion picture*) Social Security Administration, 1962.

They need to know (*Motion picture*) U. S. Social Security Administration, 1954. Made by U. S. Dept. of Agriculture.

INSURRECTION see Revolution

INTEGRITY see Self-respect

INTELLECTUAL PROPERTY see Inventions; Patents

INTER-AMERICAN RELATIONS see Pan-Americanism

INTERCHANGE OF STUDENTS see Students, Interchange of

INTERCULTURAL EDUCATION

Tower of learning (*Motion picture*) U. S. Information Agency, 1962. Made by Herbert Kerkow, inc. Released for educational use in the United States through U. S. Office of Education, 1962.

INTERIOR NAVIGATION see Inland navigation

INTERMITTENT FEVER see Malarial fever

INTERNAL COMBUSTION ENGINES see Gas and oil engines

INTERNATIONAL COOPERATION

see also Agriculture, Cooperative; International Geophysical Year, 1957-1958; Reconstruction (1914-1939); Reconstruction (1939-1951)

Education for peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

Road to peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Bill Sturm Studios. Released for public educational use through U. S. Office of Education, 1952.

INTERNATIONAL CORRESPONDENCE

Letter to a friend (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

INTERNATIONAL ECONOMIC RELATIONS

Frontiers of trade (*Motion picture*) U. S. Dept. of the Army, 1962.

INTERNATIONAL EXCHANGE OF STUDENTS see Students, Interchange of

INTERNATIONAL EXHIBITIONS see Exhibitions

INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958

see also Project Vanguard

The Explorer in space (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

Frontier beyond the sky (*Motion picture*) U. S. Dept. of the Army, 1960.

In which we live (*Motion picture*) U. S. Information Agency, 1958. Made by Atlas Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.

Operation Deepfreeze I (*Motion picture*) U. S. Dept. of the Navy, 1957.

Space pioneer (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

INTERNATIONAL HOUSE, NEW YORK see New York, International House

INTERNATIONAL ICE PATROL

International ice patrol (*Motion picture*) U. S. Dept. of State, 1949. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

INTERNATIONAL RELATIONS

see also Geopolitics; International cooperation; International economic relations; Monroe doctrine; Peace; Reconstruction (1914-1939); Reconstruction (1939-1951); Refugees, Political; Security, International; World politics

Alliance for peace (*Motion picture*) SHAPE, 1952. Released for public use in the United States through U. S. Dept. of Defense and U. S. Office of Education, 1952.

Will for peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

INTERNATIONAL RELIEF

see also Disaster relief; Refugees, Political

The CARE story (*Motion picture*) U. S. Dept. of the Army, 1950. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

INTERNMENT CAMPS see Concentration camps

INTERPERSONAL RELATIONS

If I were you (*Motion picture*) U. S. Dept. of the Air Force, 1957.

INTERPOLATION

Beginning algebra II, lecture 11: Numerical trigonometry (*Motion picture*) U. S. Dept. of Defense, 1956.

INTERROGATION see Questioning

INTERVERTEBRAL DISK

—HERNIA

Sciatic pain and the intervertebral disk (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

—SURGERY

Sciatic pain and the intervertebral disk (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

INTERVIEWING

see also Counseling; Questioning

An approach to understanding dynamics (*Motion picture*) U. S. Veterans Administration, 1950.

A clinical picture of anxiety hysteria (*Motion picture*) U. S. Veterans Administration, 1952.

A clinical picture of claustrophobia (*Motion picture*) U. S. Veterans Administration, 1952.

The difficult ones. Part 1: Psychiatric problems met by the contact representative (*Filmstrip*) U. S. Veterans Administration, 1946.

The difficult ones. Part 2: Their effect on the contact representatives (*Filmstrip*) U. S. Veterans Administration, 1946.

The difficult ones. Part 3: Getting help for the veterans with emotional problems (*Filmstrip*) U. S. Veterans Administration, 1946.

Interviewing principles and techniques (*Motion picture*) U. S. Dept. of the Navy, 1951.

Non-verbal communication (*Motion picture*) U. S. Veterans Administration, 1952.

INTERVIEWING (Continued)

Psychotherapeutic interviewing: Introduction (*Motion picture*) U. S. Veterans Administration, 1950.

Psychotherapeutic interviewing: Method of procedure (*Motion picture*) U. S. Veterans Administration, 1950.

Working for better public health through recognition of feelings (*Motion picture*) U. S. Public Health Service, 1953.

INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

INTESTINAL IRRIGATION see Enema

INTESTINES

see also Colon (Anatomy); Peritoneum

—DISEASES

see also Dysentery

Life cycle of endamoeba histolytica in dysenteric and non-dysenteric amoebiasis (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—DISEASES—DIAGNOSIS

The intestinal biopsy capsule (*Motion picture*) U. S. Dept. of the Army, 1961.

INTRACOASTAL WATERWAY

Inside passage (*Motion picture*) U. S. Army Engineers, 1949.

—GULF SECTION

Protected passage (*Motion picture*) U. S. Army Engineers, 1953.

INVALIDITY INSURANCE see Insurance, Disability

INVENTIONS

see also Patents; Research, Industrial

Patents and Air Force research and development (*Motion picture*) U. S. Dept. of the Air Force, 1955.

INVENTORY CONTROL see Stores or stock-room keeping

IODINE

—ISOTOPES

Iodine-131 (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

IOWA, UNIVERSITY

Freedom to learn (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

IRAN

Legacy of Cyrus (*Motion picture*) U. S. Information Agency, 1962. Released for educational use in the United States through U. S. Office of Education, 1963.

Strategic Iran (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

IRON CURTAIN LANDS see Communist countries

IRON IN THE BODY

Chemical techniques: Measurement of total iron in whole blood; estimation of iron (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Measurement of total iron in whole blood; preparation of a calibration curve (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Measurement of total iron in whole blood; preparation of reagents (*Motion picture*) U. S. Dept. of the Navy, 1955.

IRON MINES AND MINING

The drama of steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Inland Steel Co., 1946.

IRON ORES

Lake carrier (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

IRONING see Laundry

IRRIGATION

see also Dams; Reservoirs; Water-storage

Irrigating the electric way (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

Irrigation, lifeblood of the West (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Irrigation practices (*Motion picture*) University of Nebraska and U. S. Bureau of Reclamation, 1957. Made by University of Nebraska.

Irrigue a terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Mosquito prevention in irrigated areas (*Motion picture*) U. S. Public Health Service, 1955.

Mosquito problems in irrigated areas (*Filmstrip*) U. S. Public Health Service, 1953.

Regando la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Water on the land (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

IRRIGATION CANALS AND FLUMES

Weed control on irrigation systems (*Motion picture*) U. S. Bureau of Reclamation, 1952.

ISLAMIC CENTER see Washington, D. C. Islamic Center

ISLANDS OF LANGERHANS see Pancreas

ISOGONIC LINES see Magnetism, Terrestrial

ISOPTERA see Termites

ISOTOPE SEPARATION

see also Nuclear fuels

Gaseous diffusion (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by U. S. Dept. of the Air Force.

The Portsmouth story (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

ISOTOPES

Isotopes (*Motion picture*) U. S. Atomic Energy Commission, 1959.

ISOTOPIC INDICATORS see Radioactive tracers

ITALY .

Brief on Italy (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Introducing Italy (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

Italy (*Motion picture*) U. S. Dept. of Defense, 1951.

ITCH see Scabies

IWO JIMA, BATTLE OF, 1945

Armed Forces screen magazine, no. 507 (*Motion picture*) U. S. Dept. of Defense, 1953.

Uncommon valor (*Motion picture*) U. S. Dept. of the Navy, 1952.

IXODIDAE see Ticks

J

JACKSON, ANDREW, PRES. U.S., 1767-1845

American history I, lecture 10: Andrew Jackson dominates the political scene (*Motion picture*) U. S. Dept. of Defense, 1956.

JADE

Treasure trove of jade (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

JAIL-FEVER see Typhus fever

JAMESTOWN FESTIVAL, 1957

International naval review (*Motion picture*) U. S. Dept. of the Navy, 1958.

JAPAN

Impressions of Japan (*Motion picture*) U. S. Information Agency, 1956. Released for public educational use in the United States through U. S. Office of Education, 1957.

New eyes and new ears (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

We, the Japanese people (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

You in Japan (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

—COMMERCE

Japanese trade fair (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

JAPANESE ARTISTS see Artists, Japanese

JAPANESE BEETLE

The Japanese beetle (*Motion picture*) U. S. Dept. of Agriculture, 1957.

JAPANESE IN THE U.S.

Japanese relocation (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

JAPANESE RIVER FEVER see Tsutsugamushi disease

JAVA

Java (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1946.

JAW JOINTS see Temporomandibular joint

JAWS

Submandibular and submental triangle (*Motion picture*) U. S. Veterans Administration, 1957.

—DISEASES—DIAGNOSIS

Intra-oral dental periapical radiographic techniques—maxillary and mandibular periapical examination (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—FRACTURE

Intramaxillary multiple loop wiring in treatment of jaw fractures (*Motion picture*) U. S. Dept. of the Army, 1951.

Treatment of jaw fractures (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1946.

Various methods of fixation for the control of fractured jaws (*Motion picture*) U. S. Veterans Administration, 1958.

—SURGERY

Combined resection of tongue and floor of mouth with radical neck dissection (*Motion picture*) U. S. Veterans Administration, 1953.

Construction of screw lock sectional splint (*Motion picture*) U. S. Dept. of the Army, 1947.

Hemimandibulectomy and immediate restoration with acrylic implant (*Motion picture*) U. S. Veterans Administration, 1954.

Mandibular prognathism (*Motion picture*) U. S. Veterans Administration, 1956.

Radical resection of the maxilla with early prosthetic restoration (*Motion picture*) U. S. Veterans Administration, 1955.

JAWS

—SURGERY (Continued)

Reconstruction of the lower lip and chin (*Motion picture*) U. S. Dept. of the Army, 1947.

Resection of mandible for ameloblastoma (*Motion picture*) U. S. Veterans Administration, 1955.

Wounds of the face and jaw (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

—TUMORS

Resection of mandible for ameloblastoma (*Motion picture*) U. S. Veterans Administration, 1955.

JAWS, ARTIFICIAL

Hemimandibulectomy and immediate restoration with acrylic implant (*Motion picture*) U. S. Veterans Administration, 1954.

JEEPS see Automobiles, Military; Motor-trucks

JEFFERSON, THOMAS, PRES. U.S., 1743-1826

Thomas Jefferson, the farmer (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

JET HELICOPTERS

Ground vibration tests of the XH-17 dynamic helicopter model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

JET PLANES

see also Jet transports; T2J Training plane

Aerodynamics: Fundamentals of roll-divergence (*Motion picture*) U. S. Dept. of the Navy, 1960.

24 hour alert (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—FLIGHT TESTING

Jet test (*Motion picture*) U. S. Dept. of the Air Force, 1954. Made by Audio Productions.

—MOTORS see Aeroplanes—Turbojet engines

JET PLANES, MILITARY

Jet fighter gunnery. Part 1: Air to ground (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Jets aboard: Operation of jet aircraft aboard carriers (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

Search for silence (*Motion picture*) U. S. Dept. of the Navy, 1960.

JET STREAM

Wind and the navigator: Jet streams (*Motion picture*) U. S. Dept. of the Air Force, 1959.

JET TRAINER see T2J Training plane

JET TRANSPORTS

Ditching investigation of a jet transport with various engine installations, part 1 (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

JIGS AND FIXTURES

Assembling in a jig: Drilling and riveting (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Drilling and riveting (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Fitting and lining up (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Fitting and lining up (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drilling with portable drill motors (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drilling with portable drill motors (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Pipe fabrication with jigs (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Pipe fabrication with jigs (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

JITNEY BUSES see Motor buses

JIU-JITSU

Armed Forces screen magazine, no. 597 (*Motion picture*) U. S. Dept. of Defense, 1953.

Combative measures: Judo (*Motion picture*) U. S. Dept. of the Air Force, 1955.

JOB ANALYSIS

see also U.S. Air Force—Job descriptions

Classification in a nutshell (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

The flow process chart and how to use it (*Motion picture*) U. S. Office of Scientific Research and Development, 1945. Released for public educational use through U. S. Library of Congress, 1947, and U. S. Office of Education, 1951.

The job breakdown (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

Learning by doing (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.

Stop, look, and question (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

JOHN H. KERR DAM

Titan in concrete (*Motion picture*) U. S. Army Engineers, 1955.

JOINERY

see also Woodwork

Beveling, stop chamfering, and tapering square stock (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Beveling, stop chamfering, and tapering square stock (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Face planing uneven surfaces (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Jointing edges and ends 90 degrees to face (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

JOINT CHIEFS OF STAFF see U.S. Joint Chiefs of Staff

JOINT CIVILIAN ORIENTATION CONFERENCE

Provide for the common defense (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

JOINTER (WOODWORKING MACHINE)

Biseau, chanfrein arrêté et effilage progressif d'une pièce carrée (*Motion picture*) U. S. Office of Education, 1951.

Corroyage de surfaces inégales (*Motion picture*) U. S. Office of Education, 1951.

Dégauchissage d'un champ pour le collage: Installation des couteaux (*Motion picture*) U. S. Office of Education, 1951.

Dégauchissage des champs et extrémités d'équerre avec la face (*Motion picture*) U. S. Office of Education, 1951.

Face planing uneven surfaces (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Jointing an edge for gluing: Installing knives (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Jointing an edge for gluing: Installing knives (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Jointing edges and ends 90 degrees to face (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

JOURNALISM, AGRICULTURAL

A job for you in agricultural journalism (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

Story of a USDA popular bulletin (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

JOURNALISM AS A PROFESSION

A job for you in agricultural journalism (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

JOURNALS (MACHINERY) see Bearings (Machinery)

JUDGE ADVOCATES

The most rewarding law (*Motion picture*) U. S. Dept. of the Army, 1960.

JUDO see Jiu-jitsu

K

K M A G see U.S. Military Advisory Group to the Republic of Korea

KAPAUN RETREAT HOUSE see Oiso, Japan, Kapaun Retreat House

KATATONIA see Catatonia

KATAYAMA DISEASE see Schistosomiasis

KELOTOMY see Hernia

KENNAN, GEORGE FROST, 1904-

George Kennan discusses communism on the Armed Forces Forum (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

KENNEDY, JACQUELINE (BOUVIER) 1929-

Invitation to India (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

Invitation to Pakistan (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

Jacqueline Kennedy's Asian journey (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

KENNEDY, JOHN FITZGERALD, PRES. U.S., 1917-

—INAUGURATION

The inauguration of John F. Kennedy—35th President of the United States (*Motion picture*) U. S. Information Agency, 1961. Made by Fox-Movietone News. Released for public educational use in the United States through U. S. Office of Education, 1961.

KENTUCKY DAM

Kentucky Dam (*Motion picture*) U. S. Tennessee Valley Authority, 1960. Made by Sam Orleans Associates.

KHAPRA BEETLE

Eradicating the Khapra beetle (*Motion picture*) U. S. Dept. of Agriculture, 1957.

KIDNEYS

see also Urinary organs; Urine

—SURGERY

Nephroureterectomy (*Motion picture*) U. S. Dept. of the Army, 1960.

KILAUEA

Eruption of Kilauea, 1959-60 (*Motion picture*) U. S. Geological Survey, 1962.

The 1955 eruption of Kilauea (*Motion picture*) U. S. Geological Survey, 1956.

KILOGRAM see Standards of mass

KINGMAN, DONG, 1911-

The scroll (*Motion picture*) U. S. Information Agency, 1956. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1957.

KITCHEN-GARDENS see Vegetable gardening

KITCHEN-MIDDENS

Shell mounds in the Tennessee Valley (*Motion picture*) U. S. Tennessee Valley Authority, 1937.

KITCHEN UTENSILS

Hospital food service personnel training. Part 3: Equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Pots and pans for your kitchen (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

KITCHENS

Basic principles of kitchen layout (*Filmstrip*) U. S. Public Health Service, 1953.

Beltsville energy saving kitchen workroom (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

Energy saving kitchen (*Motion picture*) U. S. Dept. of Agriculture, 1956.

A step-saving kitchen (*Motion picture*) U. S. Dept. of Agriculture, 1948.

A step-saving U kitchen (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

KLYSTRONS

Microwave oscillators (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

KNEE

—AMPUTATION see Amputations of leg

—FRACTURE

Fractures about the knee (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

—SURGERY

Surgical approaches to the knee joint (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.

KNEE JERK see Reflexes

KNEIPP CURE see Hydrotherapy

KNOTS AND SPLICES

Bending to a cleat (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Bending to a cleat (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The bowline (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The bowline (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Cable splicing. Part 1: The five-tuck navy splice (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

Cable splicing. Part 2: The Roebling roll splice (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

Clap a stopper on a line (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Clap a stopper on a line (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The clove hitch (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The clove hitch (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Double carrick bend (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Double carrick bend (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

French bowline (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

French bowline (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Making a five tuck splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a five tuck splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a wrapped and soldered splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a wrapped and soldered splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

The sheet bend (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The sheet bend (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The square knot (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The square knot (*Filmstrip*) U. S. Coast Guard, 1941. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Two half hitches and a round turn (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Two half hitches and a round turn (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Use and care of fiber rope (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

Use and care of wire rope (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Wire rope terminal connections (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

KOCH'S LYMPH see Tuberculin

KODAKS see Cameras

KOREA

The crime of Korea (*Motion picture*) U. S. Dept. of Defense, 1950.

Korea today (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.

KOREA (REPUBLIC) ARMY

KMAG and the ROK soldier (*Motion picture*) U. S. Dept. of the Army, 1954.

KOREAN MILITARY ADVISORY GROUP see U. S. Military Advisory Group to the Republic of Korea

KOREAN WAR, 1950-1953

The Air Force story: Korea, the final phase (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The Air Force story: Meeting the Red challenge (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The Air Force story: On to the Yalu, June 1950 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Armed Forces screen magazine, no. 307 (*Motion picture*) U. S. Dept. of Defense, 1953.

Armed Forces screen magazine, no. 500 (*Motion picture*) U. S. Dept. of Defense, 1953.

Battle for time (*Motion picture*) U. S. Dept. of Defense, 1950.

Carrier action off Korea (*Motion picture*) U. S. Dept. of the Navy, 1954.

Chinese reds enter war (*Motion picture*) U. S. Dept. of Defense, 1951.

Civil assistance in Korea (*Motion picture*) U. S. Dept. of the Army, 1954.

Command of the seas: Pacific (*Motion picture*) U. S. Dept. of the Navy, 1952.

The crime of Korea (*Motion picture*) U. S. Dept. of Defense, 1950.

Ethiopia in the free world (*Motion picture*) U. S. Dept. of State, 1951. Made by Telenews Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

Fire: Artillery action in Korea (*Motion picture*) U. S. Dept. of the Army, 1952.

The first forty days (*Motion picture*) U. S. Dept. of the Army, 1950.

Floating fortress (*Motion picture*) U. S. Dept. of the Navy, 1952.

Homecoming airlift (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Korea story (*Motion picture*) U. S. Information Agency, 1953. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1954.

Korean cease fire talks (*Motion picture*) U. S. Dept. of Defense, 1951.

A motion picture history of the Korean War (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

Operation Inchon (*Motion picture*) U. S. Dept. of the Army, 1952.

Our stand in Korea (*Motion picture*) U. S. Dept. of Defense, 1950.

Reds launch spring offensive (*Motion picture*) U. S. Dept. of Defense, 1951.

Report of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1954.

Stalemate in Korea (*Motion picture*) U. S. Dept. of Defense, 1951.

Thunder from the skies (*Motion picture*) U. S. Dept. of the Air Force, 1950.

Turning the tide (*Motion picture*) U. S. Dept. of Defense, 1950.

UN counterattack (*Motion picture*) U. S. Dept. of Defense, 1951.

UN forces consolidate below 38th parallel (*Motion picture*) U. S. Dept. of Defense, 1951.

UN forces cross the 38th parallel (*Motion picture*) U. S. Dept. of Defense, 1951.

UN forces escape trap (*Motion picture*) U. S. Dept. of Defense, 1951.

UN forces move north (*Motion picture*) U. S. Dept. of Defense, 1951.

UN offensive (*Motion picture*) U. S. Dept. of Defense, 1950.

UN offensive continues (*Motion picture*) U. S. Dept. of Defense, 1951.

United Nations campaign in northeast Korea (*Motion picture*) U. S. Dept. of the Army, 1952.

With the Marines: Chosin to Hungnam (*Motion picture*) U. S. Dept. of the Navy, 1951.

Your Air Force in action (*Motion picture*) U. S. Dept. of the Air Force, 1950.

—ARMISTICES

Korean armistice (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

KYANIZING see Wood—Preservation

L

LABELS

Packaging and packing: Marking (*Filmstrip*) U. S. Dept. of the Army, 1960.

LABOR (OBSTETRICS)

see also Childbirth

Emergency childbirth (*Motion picture*) U. S. Navy Dept., 1961.

LABOR, COMPLICATED

see also Forceps, Obstetric

Barton forceps (*Motion picture*) U. S. Dept. of the Army, 1963.

Forceps management of face presentations (*Motion picture*) U. S. Dept. of the Army, 1963.

Keilland forceps for transverse and posterior positions (*Motion picture*) U. S. Dept. of the Army, 1963.

Piper forceps (for the aftercoming head) (*Motion picture*) U. S. Dept. of the Army, 1963.

Prerequisites for forceps deliveries (*Motion picture*) U. S. Dept. of the Army, 1963.

Transverse arrest (*Motion picture*) U. S. Dept. of the Army, 1963.

LABOR AND LABORING CLASSES

see also Apprentices; Employees' representation in management; Migrant labor

An American portrait (*Motion picture*) U. S. Dept. of State, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

—ACCIDENTS see Industrial accidents

LABOR ORGANIZATIONS see Trade-unions

LABORATORIES, AERONAUTICAL see Aeronautical laboratories

LABORATORIES, CHEMICAL see Chemical laboratories

LABORATORY ANIMALS

Animals for research (*Motion picture*) U. S. Dept. of the Army, 1958.

Care of laboratory animals (*Filmstrip*) U. S. Public Health Service, 1963.

Germfree animals in medical research (*Motion picture*) U. S. Public Health Service, 1960.

Using animals in the laboratory (*Filmstrip*) U. S. Public Health Service, 1963.

LAMINATED WOOD see Plywood

LAMPREYS

Great Lakes Invader: The sea lamprey (*Motion picture*) U. S. Fish and Wildlife Service, 1963.

LAND

see also Burning of land; Clearing of land; Farms; Reclamation of land

Farm to fit your land (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Our land—its many faces (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Our magic land (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the U. S. Dept. of the Interior and the Boy Scouts of America, 1957.

LAND DRAINAGE see Drainage

LAND TENURE

This land is mine (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

LAND VALUATION see Farms—Valuation

LANDING AIDS (AERONAUTICS)

see also Aeroplanes—Electric equipment; Electronics in aeronautics; Ground controlled approach; Instrument landing systems

Operation zero-zero (Project narrow gauge) (*Motion picture*) U. S. Dept. of the Air Force, 1959.

LANDING OPERATIONS

see also Amphibious warfare

Land the landing force: The history of marine amphibious operations (*Motion picture*) U. S. Dept. of the Navy, 1960.

LANDING STRIPS see Air-bases—Runways; Airports—Runways

LANDSCAPE GARDENING

see also Evergreens

Basic technique for home landscaping (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Association of Nurserymen, 1958. Made by Sun-Dial Films.

LANGUAGES, MODERN

—STUDY AND TEACHING

In the national interest (*Motion picture*) U. S. Office of Education, 1963. Made by National Education Television and Radio Center.

—STUDY AND TEACHING—AUDIO-VISUAL EDUCATION

To speak with friends (*Motion picture*) U. S. Office of Education, 1960. Made by the National Educational Television and Radio Center.

LANGUAGES, OCCIDENTAL see Languages, Modern

LANGUAGES, WESTERN see Languages, Modern

LANGUE D'OÏL see French language

LAPAROTOMY see Abdomen—Surgery

LA PAZ, BOLIVIA

La Paz (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

LARVAE

see also Insects—Development

Identification of U. S. genera of mosquito larvae (*Filmstrip*) U. S. Public Health Service, 1947.

Identification of U. S. species of Anopheles larvae (*Filmstrip*) U. S. Public Health Service, 1950.

Infective larvae of ancylostoma caninum (*Motion picture*) U. S. Public Health Service, 1962.

—MOSQUITOES see Mosquitoes—Larvae

LARYNX

—SURGERY

Surgical anatomy of thyroid gland, trachea, and larynx (*Motion picture*) U. S. Veterans Administration, 1963.

LATHES

Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Boring to close tolerances (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Boring to close tolerances (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Chuck work. Part 1: Setting up hexagon turret tools (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Chuck work. Part 1: Setting up hexagon turret tools (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Chuck work. Part 2: Setting up tools for combined cuts (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Chuck work. Part 2: Setting up tools for combined cuts (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Cutting a taper with the compound rest and with a taper attachment (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

Cutting a taper with the compound rest and with a taper attachment (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Cutting an external acme thread (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

Cutting an external acme thread (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

Cutting an external national fine thread (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

Cutting an external national fine thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Cutting an internal acme thread (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Cutting an internal acme thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Cutting an internal taper pipe thread (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Cutting an internal taper pipe thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Cutting with carbide tools. Part 1: Single point (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Cutting with carbide tools. Part 1: Single point (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Drilling, boring, and reaming work held in chuck (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

Drilling, boring, and reaming work held in chuck (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Elaboração de uma peça no prato ou bucha (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Elaboración de una pieza en el plato (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Elaboración de una pieza en el plato (*Motion picture*) U. S. Office of Education [1960?]

O emprêgo do suporte fixo (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Face turning a collar (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Face turning a collar (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Facing, turning, boring, grooving, and chamfering (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

Facing, turning, boring, grooving, and chamfering (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The lathe (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The lathe (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

LATHES (Continued)

The lathe (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

Machining work held in chuck: Use of reference surfaces (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Machining work held in chuck: Use of reference surfaces (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Perforación micrométrica (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Perfuração micrométrica (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Rough-facing, boring, and turning a shoulder (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

Rough-facing, boring, and turning a shoulder (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Rough-facing, turning and drilling (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

Rough-facing, turning and drilling (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Rough turning between centers (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

Rough turning between centers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Setting up and machining bar stock (*Motion picture*) U. S. Office of Education, 1945. Made by Industrial Film Guild.

Setting up and machining bar stock (*Filmstrip*) U. S. Office of Education, 1945. Made by Industrial Film Guild.

Torneado de una pieza en el mandril (*Motion picture*) U. S. Office of Education [1950?]

Torneado de una pieza fija en un sostén (*Motion picture*) U. S. Office of Education [1950?]

Torneo de uma peça fixa num suporte (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Torneo de uma peça no mandril (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Torneo de una pieza en el mandril (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

Torneo de una pieza fija en un sostén (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

El torno (*Motion picture*) U. S. Office of Education [1950?]

Tournage d'un cylindre entre les pointes (*Motion picture*) U. S. Office of Education, 1951.

Tournage d'une bride sur plateau (*Motion picture*) U. S. Office of Education, 1951.

Tournage en mandrin (*Motion picture*) U. S. Office of Education, 1951.

Tournage sur plateau (*Motion picture*) U. S. Office of Education, 1951.

Turning a cylinder between centers (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning a cylinder between centers (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning a taper with the tailstock set over (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

Turning a taper with the tailstock set over (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

Turning taper work (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning taper work (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning work held on a fixture (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Turning work held on a fixture (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Turning work held on a mandrel (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Turning work held on a mandrel (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Turning work in a chuck (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning work in a chuck (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning work of two diameters (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

Turning work of two diameters (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Turning work on a face plate (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Turning work on a face plate (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

The turret lathe, an introduction (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

The turret lathe, an introduction (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Using a boring bar between centers: Work held on carriage (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Using a boring bar between centers: Work held on carriage (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Using a follower rest (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Using a follower rest (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Using a steady rest (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Using a steady rest (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Using a steady rest when boring (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Using a steady rest when boring (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

El uso del soporte fijo (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

El uso del soporte fijo (*Motion picture*) U. S. Office of Education [1950?]

LATRINES see Privies

LATVIA

—HISTORY—1918-1940

My Latvia (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1960.

LAUNCHING OF SHIPS see Ships—Launching

LAUNDRY

A simple way to iron a shirt (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New York Extension Service, 1944.

LAW, INDUSTRIAL see Industry and state

LAW, MILITARY see Military law

LAYING-OUT (MACHINE-SHOP PRACTICE)

Care and use of hand tools. Part 2: Basic layout tools (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

Laying out small castings (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

LEAD INDUSTRY AND TRADE

Lead from mine to metal (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

A story of lead (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

LEAD MINES AND MINING

Lead from mine to metal (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

A story of lead (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

LEADERSHIP

see also Discussion; Psychology, Applied

Discussion technique (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1961.

Effective naval leadership, naval heritage, part 2: The Farragut story (*Motion picture*) U. S. Dept. of the Navy, 1962.

Greatness (*Motion picture*) U. S. Dept. of the Army, 1958.

Leadership in action, part 1 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

Leadership in action, part 2 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

Naval leadership program report of general order #21 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Principles of leadership (*Motion picture*) U. S. Dept. of the Army, 1953.

LEARNING, PSYCHOLOGY OF

Principles of learning (*Motion picture*) U. S. Dept. of the Army, 1956.

LEG

see also Femur; Tibia

—AMPUTATION see Amputations of leg

—FRACTURE

Fractures of the leg and ankle (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

—SURGERY

Femoral artery by-pass graft with crimped teflon (*Motion picture*) U. S. Veterans Administration, 1958.

LEGAL ADVERTISING

Defense procurement: Formal advertising (*Motion picture*) U. S. Dept. of the Army, 1960.

LEISURE

see also Hobbies

Creative leisure (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

Problems of leisure (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

LENSES

see also Glass, Optical

Beveling, grooving, and rounding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Centering, edge grinding, and beveling (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Centering, edge grinding, and beveling (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Fine grinding (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Fine grinding (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

LENSES (Continued)

Fine grinding and polishing (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

Introduction to optics (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

Optical, inspection methods, part 1 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

Optical, inspection methods, part 2 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

Pitch buttoning and blocking (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Pitch buttoning and blocking (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Polishing (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Polishing (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Rough grinding (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Rough grinding (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Rough grinding (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Rough grinding by pin-bar (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Rough grinding by pin-bar (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

Rough grinding with a curvature generator (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

Rough grinding with a vertical surface grinder (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

LENSES, PHOTOGRAPHIC

The care and cleaning of photographic lenses (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Properties of photographic lenses (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

LEPROSY

Clinical manifestations of leprosy (*Filmstrip*) U. S. Public Health Service, 1957.

Management of the leprosy patient (*Motion picture*) U. S. Public Health Service, 1960.

—DIAGNOSIS

Recognition of leprosy (*Motion picture*) U. S. Public Health Service, 1959.

LEPTOSPIROSIS

Leptospirosis (*Motion picture*) U. S. Public Health Service, 1960.

LESSER SUNDA ISLANDS

Lesser Sunda Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

LEVEES

see also Flood dams and reservoirs

Toe drain application to levee construction (*Motion picture*) U. S. Army Engineers, 1951.

LEVELING

see also Surveying

Basic use of levels by sanitarians (*Filmstrip*) U. S. Public Health Service, 1954.

Leveling for topographic mapping (*Motion picture*) U. S. Geological Survey, 1951.

Measuring and leveling (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

LEYTE GULF, BATTLE OF, 1944 see Philippine Sea, Battles of the, 1944

LIBERTY

Heritage of freedom (*Motion picture*) U. S. Dept. of the Army, 1963.

In honor of liberty (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

LIBERTY OF THE PRESS

Edition, Tokyo (*Motion picture*) U. S. Dept. of the Army, 1950.

Freedom of the press (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Affiliated Film Producers. Released for public educational use through U. S. Office of Education, 1950.

Small town editor (*Motion picture*) U. S. Dept. of State, 1952. Made by Media Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

LIBRARIES

How free am I? (*Motion picture*) U. S. Dept. of the Army, 1957.

Libraries without bars (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

—BRANCHES, DELIVERY STATIONS, ETC.

Small town library (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Kling Studios. Released for public educational use through U. S. Office of Education, 1952.

LIBRARIES, AERONAUTICAL see Aeronautical libraries

LIBRARIES, CHILDREN'S

The impressionable years (*Motion picture*) U. S. Dept. of State, 1952. Made by Peter Elgar Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

LIBRARIES, MILITARY see Military libraries

LIBRARY OF CONGRESS see U. S. Library of Congress

LICE

Identification of some common sucking lice (*Filmstrip*) U. S. Public Health Service, 1948.

LICE AS CARRIERS OF DISEASE

Control of louse-borne diseases (*Motion picture*) U. S. War Dept., 1946

Guerra ao piolho (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Kill the louse (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

El tifo (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

LIFE-BOATS

Handling a lifeboat under oars. Part 1: Rowing (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

Handling a lifeboat under oars. Part 2: Commands (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

Lifeboats under gravity davits: Launching boats (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.

Lifeboats under gravity davits: Recovering boats (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.

LIFE-SAVING

see also Search and rescue operations; Survival (after aeroplane accidents, shipwrecks, etc.); U.S. Coast Guard —Search and rescue operations

Abandon ship (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Wilding Picture Productions. Released for educational use through U. S. Office of Education, 1949.

Search and rescue boat handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Transfer of a patient at sea (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

LIFE-SAVING APPARATUS

see also Aircraft survival equipment; Life-boats

Surviver recovery and handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemeur. Released for public educational use through U. S. Offic. of Education, 1950.

LIFE-SAVING STATIONS

Operation of ocean station vessels during search and rescue (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Search patterns (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Training in operation plans between the ocean station vessel and a ditching plane (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

LIFT (AERODYNAMICS)

see also Drag (Aerodynamics); Stalling (Aerodynamics)

The fundamental nature of air flows and air-flow separation (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

How an airplane flies, parts 1 and 2 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Lift and drag (*Fimstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

A study of air flow by means of smoke (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.

LIFTS see Hoisting machinery

LIGATURE (SURGERY)

The repair of femoral hernia (*Motion picture*) U. S. Veterans Administration, 1956.

LIGHT, WAVE THEORY OF

Elementary optics in photography (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

LIGHT METERS

Operation of industrial hygiene survey equipment: The light meter (*Motion picture*) U. S. Dept. of the Air Force, 1957.

LIGHT-SHIPS

Lighthouses and lightships (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

LIGHT TRAPS see Insect traps

LIGHTHOUSES

see also Beacons

Coast Guard lighthouses (*Motion picture*) U. S. Coast Guard, 1960.

Construction of an offshore light station (*Motion picture*) U. S. Coast Guard, 1963.

Lighthouses and lightships (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

LIGHTING

see also Daylight

Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems (*Filmstrip*) U. S. Dept. of the Army, 1955.

LIMA

Lima (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

LIMBS, ARTIFICIAL see Artificial limbs

LIP-READING see Deaf—Means of communication

LIPS

—SURGERY

Reconstruction of the lower lip and chin (*Motion picture*) U. S. Dept. of the Army, 1947.

LIQUID FUELS

see also Gasoline

Circulation in drops (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

LIQUIDS

see also Hydraulics

Principles of liquids and gases (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—COMPRESSIBILITY see Compressibility

LISTERIOSIS

Listeriosis (*Filmstrip*) U. S. Public Health Service, 1960.

LITTLE ROCK, ARK.

—HOSPITALS

Construction of the Little Rock Veterans Administration Hospital, part 1 (*Motion picture*) U. S. Army Engineers, 1951.

Construction of the Little Rock Veterans Administration Hospital, part 2 (*Motion picture*) U. S. Army Engineers, 1951.

LITTLE ROCK AIR FORCE BASE, JACKSONVILLE, ARK. see U. S. Little Rock Air Force Base, Jacksonville, Ark.

LIVE STOCK see Domestic animals; Stock and stock-breeding

LIVE STOCK ASSOCIATIONS

Livestock cooperatives in action (*Motion picture*) U. S. Dept. of Agriculture, 1950.

LIVER

see also Gall-bladder

Embryology of the liver, gallbladder, and pancreas (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

LIVESTOCK MARKETING see Marketing of livestock

LOADING AND UNLOADING

see also Cargo handling

Aerial tramway (*Motion picture*) U. S. Dept. of the Army 1951.

Cargo dropping (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Cargo handling gear, basic operation (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Cargoing and loading (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Conex transporters: Loading, blocking, and bracing conex transporters on transportation equipment (*Motion picture*) U. S. Dept. of the Army, 1962.

Conex transporters: Loading troop support cargo for shipment from conus depots (*Motion picture*) U. S. Dept. of the Army, 1962.

Conex transporters: The use of inserts and conex transporters (*Motion picture*) U. S. Dept. of the Army, 1962.

Heavy lifts (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

Outloading of Diesel locomotives (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

Packaging and packing: Methods of preservation, submethod IA-8 water-vaporproof bag, sealed (*Filmstrip*) U. S. Dept. of the Army, 1960.

Straps and transportation bridles (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Vehicle loading and stowing (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

LOCOMOTIVES

see also Diesel locomotives

Steam locomotive firing (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

LOCUSTS

—EXTERMINATION

Grasshoppers can be controlled (*Motion picture*) U. S. Dept. of Agriculture, 1955.

More grasshoppers (*Motion picture*) U. S. Dept. of Agriculture, 1955.

LOGGING see Lumbering

LOGGING SLASH see Slash (Logging)

LOGISTICS

The big picture: Operation Lifeline (*Motion picture*) U. S. Dept. of the Army, 1958.

Japan logistical command (*Motion picture*) U. S. Dept. of Defense, 1952.

—STUDY AND TEACHING

The case method of instruction, part 1 (*Motion picture*) U. S. Dept. of the Army, 1959.

The case method of instruction, part 2 (*Motion picture*) U. S. Dept. of the Army, 1959.

LOGISTICS, NAVAL

Mobile supply support (*Motion picture*) U. S. Dept. of the Navy, 1953.

Service to the fleet (*Motion picture*) U. S. Dept. of the Navy, 1956.

LOGS (NAUTICAL INSTRUMENTS)

The log (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

LONG RANGE NAVIGATION see Loran

LONGLEAF PINE

Prescribed burning in the South (*Motion picture*) U. S. Dept. of Agriculture, 1959.

LOOKOUT POINT DAM

Key to the emerald empire (*Motion picture*) U. S. Army Engineers, 1956.

LORAN

Long range navigation: Loran (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Loran comes to Batan (*Motion picture*) U. S. Coast Guard, 1955.

Loran duty: a challenge (*Motion picture*) U. S. Coast Guard, 1957.

Loran for ocean navigation (*Motion picture*) U. S. Coast Guard, 1947.

Trained and ready (*Motion picture*) U. S. Dept. of the Air Force, 1957.

LORD'S PRAYER (MUSIC)

The Lord's prayer (*Motion picture*) U. S. Dept. of the Air Force, 1956.

LOS ANGELES. TRADE AND TECHNICAL COLLEGE

Junior college for technical trades (*Motion picture*) U. S. Dept. of State, 1950. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

LOUD-SPEAKERS

Reproducers (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

LOUSE see Lice

LOVE, MATERNAL

Letter from a mother (*Motion picture*) U. S. Dept. of the Army, 1955.

LOW TEMPERATURE RESEARCH

Trapping of free radicals at low temperatures (*Motion picture*) U. S. National Bureau of Standards, 1960.

LOYALTY

see also Patriotism

Code of conduct. Article 4: Keep faith (*Motion picture*) U. S. Dept. of the Army, 1959.

LOYALTY, POLITICAL see Allegiance

LUBRICATION AND LUBRICANTS

see also Bearings (Machinery); Oils and fats; also subdivision Lubrication under subjects, e. g. Automobiles—Lubrication

Aircraft lubricants and lubricating equipment (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

Arctic engine oil (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Diesel lubrication and cooling systems (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

Diesel lubrication and cooling systems: Lubrication of the GM-71 series engines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Engine lubricating system (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

Lubrication (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.

Lubrication of electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bill Sturm Studios.

Principles of lubrication (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

Principles of lubrication (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

The story of lubricating oil (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1949.

LUKE AIR FORCE BASE, GLENDALE, ARIZ. see U.S. Luke Air Force Base, Glendale, Ariz.

LUMBAR PUNCTURE see Spine—Puncture

LUMBERING

see also Slash (Logging); Woodworking machinery

Easier ways of logging (*Motion picture*) U. S. Dept. of Agriculture, 1952.

LUMINESCENCE see Radiation; Radioactivity

LUNCH ROOMS see Restaurants, lunch rooms, etc.

LUNGS

see also Pleura; Respiration

—CANCER

Block dissection and pneumonectomy for bronchogenic carcinoma, right side (*Motion picture*) U. S. Veterans Administration, 1959.

Lung cancer: The problem of early diagnosis (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1954. Made by Audio Productions.

—SURGERY

Block dissection and pneumonectomy for bronchogenic carcinoma, left side (*Motion picture*) U. S. Veterans Administration, 1958.

Block dissection and pneumonectomy for bronchogenic carcinoma, right side (*Motion picture*) U. S. Veterans Administration, 1959.

Decortication in the treatment of tuberculous pleuritis (*Motion picture*) U. S. Dept. of the Army, 1952.

Management and technique of pulmonary lobectomy (*Motion picture*) U. S. Dept. of the Army, 1947.

Reconstitution of the lung (*Motion picture*) U. S. Veterans Administration, 1956.

Simple method for tracheal suction and bronchoscopy (*Motion picture*) U. S. Dept. of the Army, 1961.

LUPINE

Blue lupine (*Motion picture*) U. S. Dept. of Agriculture, 1947.

LUXEMBURG

The Benelux countries (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Introducing Luxembourg (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

LYMPHATICS

Anatomy and physiology: The lymphatic system (*Filmstrip*) U. S. Dept. of the Army, 1953.

M

M S T S see U.S. Military Sea Transportation Service

M T R see Materials testing reactors

MACHINE-GUNS

see also Anti-aircraft guns; Browning machine-gun

Fundamentals of small arms weapons. Part 3: Semiautomatic and automatic fire (*Motion picture*) U. S. Dept. of the Army, 1945.

Machine gun, 7.62 mm, M-60, operation and cycle and functioning (*Motion picture*) U. S. Dept. of the Army, 1960.

MACHINE-SHOP PRACTICE

see also Laying-out (Machine-shop practice)

Bars, punches, and drifts (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Centering small stock (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

Centering small stock (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

How to machine aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

Laying out small castings (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Radio shop techniques (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

—SAFETY MEASURES

Shop safety (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

MACHINE-SHOPS

—FIRES AND FIRE PREVENTION

An object lesson in fire prevention (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1951.

MACHINE-TOOLS

see also Jigs and fixtures

Fundamentals of end cutting tools (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

Fundamentals of end cutting tools (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Fundamentals of side cutting tools (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

Fundamentals of side cutting tools (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

MACHINERY

see also Bearings (Machinery); Clutches (Machinery); Couplings; Electric machinery; Engines; Friction; Gearing; Hydraulic machinery; Locomotives; Lubrication and lubricants; Machine-tools; Mechanics; Packing (Mechanical engineering); Patents; Steam-engines

—MAINTENANCE AND REPAIR

Reciprocating pump opening for inspection (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Reciprocating pump opening for inspection (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

MACHINISTS' TOOLS

Bars, punches, and drifts (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

MADISON, IND.

The town (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

MAGNESIUM

This is magnesium (*Motion picture*) U. S. Bureau of Mines in cooperation with Dow Chemical Co., 1952.

MAGNESIUM ALLOYS

This is magnesium (*Motion picture*) U. S. Bureau of Mines in cooperation with Dow Chemical Co., 1952.

MAGNET WINDING see Electromagnets

MAGNETISM, TERRESTRIAL

see also Compass; Magnetometer

The airborne magnetometer (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

MAGNETO

The aircraft magneto: Theory and operation of the four-pole magneto (*Motion picture*) U. S. Army Air Forces, 1944.

Principles of operation of the automotive magneto (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

Servicing and timing magnetos (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing and timing magnetos (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

MAGNETOMETER

The airborne magnetometer (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

MAGNETRONS

Microwave oscillators (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

MAHAN, ALFRED THAYER, 1840-1914

Navy decline, the new Navy, and the war with Spain, 1865–1898 (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

MAHATTAN (TRANSPORT SHIP) see Wakefield (Transport ship)

MAIL SERVICE see Postal service

MAIZE

Corn (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Freezing broccoli and corn-on-the-cob (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

The grain that built a hemisphere (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

Milho, o grão que foi o alicerce de um hemisfério (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Released by U. S. Institute of Inter-American Affairs, 1947.

La semilla de oro (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

Types of damaged kernels and other conditions (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

—DISEASES AND PESTS

Corn (*Motion picture*) U. S. Dept. of Agriculture, 1953.

—DRYING

Drying ear corn with forced air (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

MALACOLOGY see Mollusks

MALARIAL FEVER

Chills and fever: Why? (*Filmstrip*) U. S. Public Health Service, 1947.

Clinical malaria (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Erythrocytic stages of Plasmodium vivax (*Motion picture*) U. S. Public Health Service, 1954.

Insect repellent, part 1 (*Motion picture*) U. S. Dept. of the Army, 1955.

The life cycle of a malaria parasite (*Filmstrip*) U. S. Public Health Service, 1948.

Malaria eradication (*Motion picture*) U. S. Information Agency, 1958. Made by Lew Pollack Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.

MALARIAL FEVER (Continued)

Mosquito stages of Plasmodium falciparum (*Motion picture*) U. S. Public Health Service in cooperation with the Laboratory of Tropical Diseases, National Institutes of Health, 1954.

Vivax malaria (*Filmstrip*) U. S. Public Health Service, 1948.

—PREVENTION

The ancient curse (*Motion picture*) U. S. Dept. of State, 1952. Made by Educational Film Corp. of America. Released for educational use in the United States through U. S. Office of Education, 1952.

Control of mosquito-borne diseases (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Malaria control on Corsica (*Motion picture*) U. S. War Dept., 1945.

Malaria control on impounded waters (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.

Pacific enemy, malaria (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

MALIK, CHARLES

The Middle East problem with Dr. Charles Malik (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

MALTA FEVER see Undulant fever

MAN, ERECT POSITION OF see Posture

MAN, PREHISTORIC

Shell mounds in the Tennessee Valley (*Motion picture*) U. S. Tennessee Valley Authority, 1937.

MANAGEMENT, INDUSTRIAL see Industrial management

MANDIBULAR JOINT see Temporomandibular joint

MANEUVERS, MILITARY see Military maneuvers

MANGE see Scabies

MANILA ROPE see Rope

MANNERS see Etiquette

MANURES see Fertilizers and manures

MAP PRINTING

Negative scribing (*Motion picture*) U. S. Geological Survey, 1953.

MAP-PROJECTION

see also Cartography

Charts (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

Multiplex mapping, part 1 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

MAP READING see Maps; Maps, Military

MAPLE SYRUP

The production of maple syrup (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

MAPS

see also Aeronautical charts; Cartography; Nautical charts

Direction, orientation, and location with compass (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Direction, orientation, and location without a compass (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education. 1953.

Photos and photomaps (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

—SYMBOLS

Elevation, distance, and grid (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Topographic symbols (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

MAPS, METEOROLOGICAL see Meteorology—Charts, diagrams, etc.

MAPS, MILITARY

see also Military topography

Map reading, basic: Azimuth conversion (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Azimuths (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Characteristics of contour lines (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Contour lines and intervals (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Elevation (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Intersection (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Location (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Percent of slope (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Resection (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Scale and distance (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Using the protractor (*Motion picture*) U. S. Dept. of the Army, 1957.

MARIANA ISLANDS

Carolines, Marianas, Bonin Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

MARINE AIDS see Aids to navigation

MARINE BOILERS see Steam-boilers, Marine

MARINE COOKERY see Cookery, Marine

MARINE DISASTERS see Shipwrecks

MARINE ENGINES

see also Diesel motor; Marine gas-turbines; Steam-boilers, Marine; Steam-turbines, Marine

Aligning and installing auxiliary machinery (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Aligning and installing auxiliary machinery (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Filing and installing chocks (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Filing and installing chocks (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Fitting tube, shaft, and propeller (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Fitting tube, shaft, and propeller (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

How to check and surface foundations (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

How to check and surface foundations (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Installing valves and strainer on sea chest (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Installing valves and strainer on sea chest (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Laying off bulkheads (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Laying off bulkheads (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Laying out, drilling, and tapping flanges on sea chest (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Laying out, drilling, and tapping flanges on sea chest (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Marine diesel engines for power boats (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

Naval steam turbines: How turbines work (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks & Norling.

Naval steam turbines: The steam cycle (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Loucks & Norling.

Running a permanent line and boring (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Running a permanent line and boring (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Running a temporary line (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Running a temporary line (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

MARINE GAS-TURBINES

Marine gas turbine engines: The Boeing 502–10C engine (*Motion picture*) U. S. Dept. of the Navy, 1960.

Marine gas turbine engines: The solar T–45 engine (*Motion picture*) U. S. Dept. of the Navy, 1960.

Marine gas-turbine engine: Trouble shooting (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

MARINE INSTRUMENTS see Nautical instruments

MARINE PIPE-FITTING

Fitting and installing a section of pipe aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1944.

Fitting and installing a section of pipe aboard ship (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp.

Piping fabrication for shipboard high temperature steam systems: Bending and installing (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

Piping fabrication for shipboard high temperature steam systems: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

Piping fabrication for shipboard high temperature steam systems: Welding (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

MARINE SIGNALS see Aids to navigation

MARINE TRANSPORTATION see Shipping

MARITIME SURVEYING see Hydrographic surveying

MARKETING (HOME ECONOMICS)

see also Consumer education; Shopping

Food marketing education for consumers (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

MARKETING OF FARM PRODUCE see Farm produce—Marketing

MARKETING OF LIVESTOCK

Livestock market news in action (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

MARKETING RESEARCH

Marketing research pays off (*Motion picture*) U. S. Dept. of Agriculture, 1959.

MARKING-OUT see Laying-out (Machine-shop practice)

MARKSMANSHIP see Shooting

MARROW

—TRANSPLANTATION

Modification of radiation injury in mice (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

MARSHALL, GEORGE CATLETT, 1880

Marshall day at VMI, 1951 (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

MARSHALL ISLANDS

Marshall, Gilbert, and Ellice Islands (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

MARYLAND. UNIVERSITY. INSTITUTE FOR CHILD STUDY

Helping teachers to understand children, part 1 (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

Helping teachers to understand children, part 2 (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

MASS COMMUNICATION see Communication; Telecommunication

MASS FEEDING see Emergency mass feeding

MASS MEDIA see Communication

MASSAGE

Fundamentals of massage (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Fundamentals of massage (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

MASTS AND RIGGING

Rigging blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Rigging blocks (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Slinging load (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

MATERIALS HANDLING

see also Cargo handling; Loading and unloading; Pallets (Shipping, storage, etc.)

Cargo handling gear, basic operation (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Handling fruits and vegetables (*Motion picture*) U. S. Dept. of Agriculture, 1961.

Heavy lifts (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

Materials handling equipment operation: Gantry truck and warehouse cranes (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sound Masters, inc.

Materiel handling methods in U. S. Air Force depots (*Motion picture*) U. S. Dept. of the Air Force, 1943. Released for public educational use 1961.

Materiel handling principles in transportation (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Navy materials handling: The fork truck (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.

Navy materials handling: The unit load (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.

Straps and transportation bridles (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Vehicle loading and stowing (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Winches and booms (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

MATERIALS TESTING REACTORS

Plutonium fuel fabrication for MTR (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.

MATERNAL LOVE see Love, Maternal

MATHEMATICS

see also Binary system (Mathematics); Probabilities

—STUDY AND TEACHING

Mathematics through discovery (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.

Mathematics: Unending search for excellence (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.

MATTER

—CONSTITUTION

see also Molecular theory; Neutrons

Ohm's law (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

MEASUREMENTS, ELECTRIC see Electric measurements

MEASUREMENTS, OPTICAL see Optical measurements

MEASUREMENTS, PHYSICAL see Physical measurements

MEASURES see Weights and measures

MEASURING INSTRUMENTS

see also Calipers; Gages; Light meters; Rulers (Instruments); Slide-rule

Dividers, parallel rulers, protractors (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

Rocket instrumentation (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

MEASURING-TAPES

Measuring and leveling (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

MEAT

see also Beef; Pork

—PRESERVATION

Canning meat (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Curing pork country style (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Pork on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1940.

MEAT CONSUMPTION see Meat industry and trade

MEAT CUTTING

Central meat cutting plants (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

Cutting a forequarter of beef (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Cutting a hindquarter of beef (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Cutting and boning a forequarter of beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting and boning a forequarter of beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting and boning a hindquarter of beef (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

Cutting and boning a hindquarter of beef (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

Découpage et désossement d'un quartier arrière de boeuf (*Motion picture*) U. S. Office of Education, 1955.

Découpage et désossement d'un quartier avant de boeuf (*Motion picture*) U. S. Office of Education, 1955.

It's carving time (*Motion picture*) U. S. Dept. of Agriculture, 1956.

MEAT INDUSTRY AND TRADE

Livestock market news in action (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

MEAT INSPECTION

Federal meat inspection (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Veterinary food inspection service. Part 2: Theater of operations (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Your meat inspection service (*Motion picture*) U. S. Dept. of Agriculture, 1956.

MECHANICAL BRAINS see Electronic calculating-machines

MECHANICAL DRAWINGS see Engineering drawings

MECHANICAL HANDLING see Materials handling

MECHANICS

see also Balance; Engineering; Friction; Gases; Hydraulics; Liquids; Machinery; Moments of inertia; Power (Mechanics); Soil mechanics; Steam-engines; Strength of materials; Vibration

Principle of moments (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Principle of moments (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

MECHANICS (PERSONS)

see also Aviation mechanics (Persons)

The mechanic (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Produced by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

MECHANIZATION IN AGRICULTURE see Farm mechanization

MEDICAL CARE FOR THE AGED see Aged —Medical care

MEDICAL EXAMINATIONS see Diagnosis

MEDICAL INSTRUMENTS AND APPARATUS

—MAINTENANCE AND REPAIR

Maintenance of medical service equipment (*Motion picture*) U. S. Dept. of the Army, 1961.

MEDICAL MYCOLOGY

see also Fungi, Pathogenic

Dermatology and syphilology. Part 5: Superficial fungus infections (*Filmstrip*) U. S. Dept. of the Army, 1957.

MEDICAL PROFESSION see Physicians

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RESEARCH

see also Aviation medicine—Research; Cancer research; Laboratory animals; Naval medical research

Army medical laboratories (*Motion picture*) U. S. Dept. of the Army, 1947.

Atoms for peace. Part 2: Medicine (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1956.

Demonstration of Cushing's experiment in the dog (*Motion picture*) U. S. Dept. of the Army, 1949.

Germfree animals in medical research (*Motion picture*) U. S. Public Health Service, 1960.

Medical research (*Motion picture*) U. S. Veterans Administration, 1957. Made by U. S. Dept. of Agriculture.

Medical research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Audio Productions.

That men may fly (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by American Film Producers.

MEDICAL SOCIAL WORK

Planning for the patient's discharge (*Motion picture*) U. S. Veterans Administration, 1956.

MEDICAL THERMOMETERS see Thermometers and thermometry, Medical

MEDICINE

see also Aviation medicine; Bacteriology; Hospitals; Hygiene; Nurses and nursing; Physiology

—INSTRUMENTS see Medical instruments and apparatus

—PRACTICE

see also Hydrotherapy; Therapeutics

The medical examination. Part 1: Importance (*Motion picture*) U. S. Dept. of the Army, 1949.

MEDICINE, CLINICAL

Chemical techniques: Protein-free filtrate; Folin-Wu method (*Motion picture*) U. S. Dept. of the Navy, 1956.

Chemical techniques: Protein-free filtrate; Somogyi method (*Motion picture*) U. S. Dept. of the Navy, 1956.

Chemical techniques: Protein-free filtrate; tungstic acid method (*Motion picture*) U. S. Dept. of the Navy, 1956.

The medical examination. Part 2: Medical history (*Motion picture*) U. S. Dept. of the Army, 1950.

The medical examination. Part 3: Examination (*Motion picture*) U. S. Dept. of the Army, 1950.

MEDICINE, DENTAL see Teeth—Diseases

MEDICINE, INDUSTRIAL

Air Force industrial medicine in action (*Motion picture*) U. S. Dept. of the Air Force, 1958.

MEDICINE, MILITARY

see also Dentistry, Military; First aid in illness and injury; Hospitals, Military; Medicine, Naval; Military hygiene; Surgery, Military; Veterans, Disabled—Rehabilitation; War—Relief of sick and wounded

Emergency medical treatment unit: Phase 1 (*Motion picture*) U. S. Dept. of the Army, 1960.

Evacuation of casualties (*Motion picture*) U. S. Dept. of the Army, 1952.

Evacuation of the wounded (*Motion picture*) U. S. War Dept., 1944.

Medical planning for a task force operation (*Motion picture*) U. S. Dept. of the Army, 1952.

Medical service in the jungle (*Motion picture*) U. S. War Dept., 1944

Military immunization: General procedures (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

Military medicine (*Motion picture*) U. S. Dept. of Defense, 1962.

Nursing in the tropics (*Motion picture*) U. S. Dept. of the Army, 1952.

MEDICINE, NAVAL

see also Naval hygiene

Hospital afloat (*Motion picture*) U. S. Dept. of the Navy, 1952.

Medical officer aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1957.

—RESEARCH see Naval medical research

MEDICINE, PREVENTIVE

see also Hygiene; Hygiene, Public; Immunity

Preventive medicine: A USAF team in action (*Motion picture*) U. S. Dept. of the Air Force, 1956.

MEDICINE, TROPICAL see Tropics—Diseases and hygiene

MEDICINE, VETERINARY see Veterinary medicine

MEDICINE AS A PROFESSION

Journey into medicine (*Motion picture*) U. S. Dept. of State, 1947. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education and U. S. Public Health Service, 1949.

MEDITERRANEAN FEVER see Undulant fever

MEDITERRANEAN FRUIT FLY

The rise and fall of the Medfly (*Motion picture*) U. S. Dept. of Agriculture, 1958.

MEDITERRANEAN REGION

Sea power: The Sixth Fleet, force for peace (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Reid H. Ray Film Industries.

MEDULLA OSSIUM see Marrow

MELANESIA

Melanesia (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

MEMORIAL DAY

Memorial day (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by United World Films.

MENHADEN FISHERIES

The story of menhaden (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with 11 menhaden companies, 1951. Made by Sun Dial Films.

MEN'S CLOTHING

The fit of a man's suit (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

A man's appearance counts (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

Quality of a man's suit (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

MENTAL HYGIENE

Head of the house (*Motion picture*) U. S. Information Agency, 1953. Made by Mental Health Film Board. Released for public educational use in the United States through U. S. Office of Education, 1954.

Preface to a life (*Motion picture*) U. S. Public Health Service in cooperation with U. S. Office of Education, 1950. Made by Sun Dial Films.

Road to reason (*Motion picture*) U. S. Veterans Administration, 1951.

MENTAL ILLNESS

—DIAGNOSIS

The mental status examination (*Motion picture*) U. S. Public Health Service, 1962.

A technique for measuring minimal social behavior (*Motion picture*) U. S. Veterans Administration, 1957.

MERCHANDISE, DISPLAY OF see Display of merchandise

MERCHANT MARINE

see also Coastwise shipping; Shipping

Men and the sea (*Motion picture*) U. S. Office of War Information, Domestic Branch, in cooperation with U. S. Maritime Commission, 1942. Released also through U. S. Office of Education, 1945.

Serving the merchant marine (*Motion picture*) U. S. Coast Guard, 1944.

—SAFETY MEASURES

see also Life-boats; Life-saving

Damage control: Civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.

Merchant marine safety (*Motion picture*) U. S. Coast Guard, 1962.

MERCHANT SEAMEN

Men and the sea (*Motion picture*) U. S. Office of War Information, Domestic Branch, in cooperation with U. S. Maritime Commission, 1942. Released also through U. S. Office of Education, 1945.

MESQUITE

Beltsville newsreel, no. 16 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

METABOLISM

see also Basal metabolism; Nitrogen; Nutrition

Inside the cell. Part 1: Enzymes in intracellular chemistry (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Inside the cell. Part 2: Regulation of enzymes (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

METAL CUTTING

see also Broaching machines; Hacksaws; Metal-cutting tools; Oxyacetylene welding and cutting

Care and use of hand tools. Part 6: Metal cutting chisels (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

METAL-CUTTING TOOLS

La cuchilla de punta (*Motion picture*) U. S. Office of Education [1959?]

La cuchilla lateral (*Motion picture*) U. S. Office of Education [1959?]

METAL-SPINNING

Spinning (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

METAL-WORK

see also Brazing; Coppersmithing; Founding; Hammers; Sheet-metal work; Shipfitting; Solder and soldering; Steel, Tube bending; Welding

Burnishing pivots (*Motion picture*) U. S. Veterans Administration, 1949.

The eye loop holder (*Motion picture*) U. S. Veterans Administration, 1949.

Form blocks and forming (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

Making a center punch (*Motion picture*) U. S. Veterans Administration, 1949.

METAL-WORK (Continued)

Making a cone point set screw (*Motion picture*) U. S. Veterans Administration, 1949.

Making a fiddle bow (*Motion picture*) U. S. Veterans Administration, 1949.

Making three steel staffs (*Motion picture*) U. S. Veterans Administration, 1949.

Poising balance wheels (*Motion picture*) U. S. Veterans Administration, 1949.

Removing and replacing balance wheel screws (*Motion picture*) U. S. Veterans Administration, 1949.

Screws and plates (*Motion picture*) U. S. Veterans Administration, 1949.

Sharpening hand gravers (*Motion picture*) U. S. Veterans Administration, 1949.

Sharpening jewelers' screwdrivers and tweezers (*Motion picture*) U. S. Veterans Administration, 1949.

Simple calculations for flat layouts (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1944.

Truing balance wheels (*Motion picture*) U. S. Veterans Administration, 1949.

METAL-WORKING MACHINERY

see also Drill presses

The metalsmith's tool kit (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1943.

METALLURGY, DENTAL see Dentistry —Metallurgy

METALLURGY, POWDER see Powder metallurgy

METAMORPHOSIS (INSECTS) see Insects —Development

METEOROLOGICAL INSTRUMENTS

see also Thermometers and thermometry

Barometer, hygrometer, clinometer (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

METEOROLOGICAL MAPS see Meteorology —Charts, diagrams, etc.

METEOROLOGY

see also Atmosphere; Atmosphere, Upper—Rocket observations; Clouds; Floods; Fog; Hurricanes; Jet stream; Magnetism, Terrestrial; Radar meterology; Rain and rainfall; Snow; Storms; Thunderstorms; Torradoes; Weather; Weather forecasting; Winds

Air Masses (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Effects of weather on tactical operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

—CHARTS, DIAGRAMS, ETC.

Weather map symbols (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

METEOROLOGY IN AERONAUTICS

see also Aeronautics in meteorology; Aids to air navigation

Aerology (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Alaskan air fortress (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Armed Forces screen magazine, no. 500 (*Motion picture*) U. S. Dept. of Defense, 1953.

Interpreting weather for landing aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Low ceilings and low visibilities (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

Turbulence (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

Wind and the navigator: Wind theory (*Motion picture*) U. S. Dept. of the Air Force, 1957.

METERS, ELECTRIC see Electric meters

METROLOGY see Weights and measures

MEXICAN WAR, 1845-1848 see U.S.—History —War with Mexico, 1845-1848

MEXICO

The bounteous earth (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Fiestas of the hills (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Fire and water (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Sky dancers of Papantla (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

MEXICO (CITY)

The day is new (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Sundays in the valley of Mexico (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

MICE

Recognition of domestic rodent signs (*Filmstrip*) U. S. Public Health Service, 1952.

MICROBES see Bacteria; Bacteriology; Germ theory of disease; Viruses

MICROMETER

The micrometer (*Motion picture*) U. S. Office of Education, 1941. Produced by Loucks & Norling Studios.

El micrómetro (*Motion picture*) U. S. Office of Education [1950?]

Verniers (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

MICROSCOPE AND MICROSCOPY

see also Stains and staining (Microscopy)

—TECHNIQUE

Laboratory technique for darkfield microscopy (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education.

Microdissection applied to mosquito identification (*Filmstrip*) U. S. Public Health Service, 1953.

MICROWAVE RADIO see Radio, Short wave

MIDDLE EAST see Near East

MIDWAY, BATTLE OF, 1942

The Air Force story: The AAF fights back, April–July 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

MIGRANT LABOR

Algo para mañana (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

The public health aspects of migrant workers (*Motion picture*) U. S. Public Health Service, 1955.

Something for tomorrow (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

MILCH CATTLE see Dairy cattle

MILITARY AEROPLANES see Aeroplanes, Military

MILITARY AIR BASES see Air bases

MILITARY ARMISTICE COMMISSION

Korean armistice (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

MILITARY ART AND SCIENCE

see also Aeronautics, Military; Air warfare; Arms and armor; Attack and defense (Military science); Biological warfare; Camouflage (Military science); Camps, Military; Chemical warfare; Drill and minor tactics; Gunnery; Logistics; Morale; Mountain warfare; Naval art and science; Ordnance; Psychological warfare; Shooting, Military; Soldiers; Strategy; Tactics; Tank warfare; Transportation, Military; Veterans; War games; Winter warfare

Effects of weather on tactical operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Making the march graph (*Filmstrip*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Power for peace (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.

The tank-armored infantry team (*Motion picture*) U. S. Dept. of the Army, 1949.

MILITARY ASSISTANCE, AMERICAN

Toward a free world (*Motion picture*) U. S. Dept. of the Air Force, 1952.

MILITARY AUTOMOBILES see Automobiles, Military

MILITARY BASES

see also Air bases; Navy-yards and naval stations

Cheechako!—So you're going to Alaska (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

Civilian guard services (*Motion picture*) U. S. Dept. of the Army, 1950.

The search (*Motion picture*) U. S. Dept. of the Army, 1950.

MILITARY BRIDGES

Assault bridging in offensive operations (*Motion picture*) U. S. Dept. of the Army, 1961.

The Bailey bridge in combat (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Fixed bridge construction and repair in the CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

MILITARY CAMPS see Camps, Military

MILITARY CAREER see Military service as a profession

MILITARY CEREMONIES, HONORS, AND SALUTES

see also Military funerals; Naval ceremonies, honors and salutes

Leadership in action, part 4 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

Military courtesy (*Motion picture*) U. S. Dept. of the Army, 1954.

MILITARY CHAPLAINS see Chaplains, Military

MILITARY COMMUNICATIONS see Communications, Military

8

MILITARY CONTRACTS see Defense contracts

MILITARY COOKERY see Cookery, Military

MILITARY CRIMES see Military offenses

MILITARY DENTISTRY see Dentistry, Military

MILITARY DISCIPLINE

see also Morale

Code of the fighting man (*Motion picture*) U. S. Dept. of the Army, 1959.

Standards of a serviceman (*Motion picture*) U. S. Dept. of Defense, 1951.

MILITARY DRAFT see Military service, Compulsory

MILITARY DRILL see Drill and minor tactics

MILITARY EDUCATION

see also Aeronautics, Military—Study and teaching; Soldiers—Education, Non-military

Armies of the world. Part 2: The Soviet soldier (*Motion picture*) U. S. Dept. of the Army, 1955.

Dress rehearsal (*Motion picture*) U. S. Dept. of the Army, 1952.

Field training of the U. S. Corps of Cadets (*Motion picture*) U. S. Dept. of the Army, 1959.

Keep on learning (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

The leading edge (*Motion picture*) U. S. Marine Corps, 1958.

The stages of instruction: Application, examination, and review or critique (*Motion picture*) U. S. Dept. of the Army, 1956.

The stages of instruction: Preparation (*Motion picture*) U. S. Dept. of the Army, 1956.

The stages of instruction: Presentation (*Motion picture*) U. S. Dept. of the Army, 1956.

Toward a free world (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Training aids (*Motion picture*) U. S. Dept. of the Army, 1956.

The uncommon man (*Motion picture*) U. S. Marine Corps, 1958. Made by U. S. Dept. of the Navy.

MILITARY ENGINEERING

see also Coast defenses; Electronics in military engineering; Military bridges; Military railroads; Military topography; Topographical surveying; World War, 1939-1945—Engineering and construction

Construction for defense (*Motion picture*) U. S. Army Engineers, 1952.

Navy civil engineers (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1952.

—COLD WEATHER CONDITIONS

Greenland 1957 (*Motion picture*) U. S. Army Engineers, 1957.

Ice tunnel (*Motion picture*) U. S. Army Engineers, 1958.

Undersnow structures (*Motion picture*) U. S. Army Engineers, 1958.

MILITARY EQUIPMENT, SUPPLIES, ETC. see Military supplies

MILITARY FUNERALS

The military funeral (*Motion picture*) U. S. Dept. of the Army, 1962.

MILITARY GRAVES see Soldiers' bodies, Disposition of

MILITARY HOSPITALS see Hospitals, Military

MILITARY HYGIENE

see also Medicine, Military; Naval hygiene; War—Relief of sick and wounded

Control of louse-borne diseases (*Motion picture*) U. S. War Dept., 1946.

Mess sanitation (*Motion picture*) U. S. Dept. of the Army, 1956.

Occupational health program—U. S. Army (*Motion picture*) U. S. Dept. of the Army, 1962.

MILITARY INSTALLATIONS see Military bases

MILITARY INTELLIGENCE

Code of conduct. Article 5: My responsibilities (*Motion picture*) U. S. Dept. of the Army, 1959.

Navy photography in intelligence (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1948.

Safeguarding military information (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

Security control: You never can tell (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1951.

Transmission security (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

MILITARY JETS see Jet planes, Military

MILITARY LAW

see also Courts-martial and courts of inquiry; Military discipline; Military offenses; Military service, Compulsory

This is the code: Conduct before the enemy (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

This is the code: Procedural articles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

MILITARY LIBRARIES

Army library program (*Filmstrip*) U. S. Dept. of the Army, 1954.

MILITARY LIFE see Soldiers

MILITARY MANEUVERS

see also War games

Operation Solidarity (*Motion picture*) U. S. Dept. of the Army, 1961.

MILITARY MAPS see Maps, Military

MILITARY MEDICINE see Medicine, Military

MILITARY OFFENSES

Booking of military offenders (*Motion picture*) U. S. Dept. of the Army, 1952.

The code and you (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

Non-judicial punishment (*Motion picture*) U. S. Dept. of the Army, 1954.

This is the code: Absence offenses (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

This is the code: Crimes against persons and property (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

This is the code: Disrespect, disobedience, and improper performance of duty (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

This is the code: General criminal articles (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

Uniform code of military justice (*Motion picture*) U. S. Dept. of the Army, 1954. Released for public educational use, 1956.

MILITARY PERSONNEL, RETIRED see Retired military personnel

MILITARY PHOTOGRAPHY see Photography, Military

MILITARY POST SCHOOLS

Officer school: U. S. Army (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

MILITARY POWER see Military art and science; Sea-power

MILITARY PSYCHIATRY see Psychiatry, Military

MILITARY PSYCHOLOGY see Psychology, Military

MILITARY RADIO see Radio, Military

MILITARY RAILROADS

see also Military bridges

Railroad safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

MILITARY RESEARCH

see also Aeronautics, Military—Research

Look toward tomorrow (*Motion picture*) U. S. Dept. of the Army, 1960.

Memorandum on security (*Motion picture*) U. S. Dept. of the Army, 1959.

United States Army research and development progress report, no. 1 (*Motion picture*) U. S. Dept. of the Army, 1960.

United States Army research and development progress report, no. 2 (*Motion picture*) U. S. Dept. of the Army, 1961.

United States Army research and development progress report, no. 3 (*Motion picture*) U. S. Dept. of the Army, 1961.

United States Army research and development progress report, no. 4 (*Motion picture*) U. S. Dept. of the Army, 1962.

MILITARY ROADS

Bases and untreated surfaces (*Motion picture*) U. S. War Dept., 1943.

Clearing, grubbing, and rock work (*Motion picture*) U. S. War Dept., 1943.

MILITARY SALUTES see Military ceremonies honors, and salutes

MILITARY SCIENCE see Military art and science

MILITARY SECRETS see Defense information, Classified

MILITARY SERVICE, COMPULSORY

I know where I'm going (*Motion picture*) U. S. Dept. of the Army, 1961.

Time to go (*Motion picture*) U. S. Dept. of the Army, 1955.

MILITARY SERVICE AS A PROFESSION

A look at your Army (*Motion picture*) U. S. Dept. of the Army, 1956.

MILITARY SOCIAL WORK

Within the town (*Motion picture*) U. S. Veterans Administration, 1962.

MILITARY STRATEGY see Strategy

MILITARY SUPPLIES

Conex transporters: Loading troop support cargo for shipment from conus depots (*Motion picture*) U. S. Dept. of the Army, 1962.

Design for survival (*Motion picture*) U. S. Dept. of the Army, 1953.

Importance of military packaging (*Motion picture*) U. S. Dept. of the Navy, 1953.

Packaging and packing: Cleated panel boxes (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Economy in packaging and packing (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Heat sealing (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Preparation of freight for air shipment (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Unsheathed crates (*Filmstrip*) U. S. Dept. of the Army, 1960.

Quality assured (*Motion picture*) U. S. Dept. of the Army, 1962.

—PRESERVATION

Packaging and packing: Cushioning, blocking and bracing, part 1 (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Determination of methods of preservation (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Methods of applying contact preservatives (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Methods of cleaning and drying (*Filmstrip*) U. S. Dept. of the Army, [illegible].

Packaging and packing: Methods of preservation (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation (includes IA methods) (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, method IC, waterproof barrier (with preservative as required) (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, method 3 (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Methods of preservation, submethod IA-1, conforming wrap, dipcoat sealed (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, submethods IId, rigid metal container, sealed (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, submethod IIf (*Filmstrip*) U. S. Dept. of the Army, 1960.

Volatile corrosion inhibitors (*Filmstrip*) U. S. Dept. of the Army, 1960.

MILITARY SURGERY see Surgery, Military

MILITARY TACTICS see Tactics

MILITARY TELEGRAPH

Improved field wire laying with wire dispensers (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

Pole line construction. Part 3: Erecting poles and attaching crossarms (*Motion picture*) U. S. Dept. of the Army, 1958.

MILITARY TELEPHONE

The AN/TCC-7 system. Part 2: Initial adjustments of carrier telephone terminal (*Motion picture*) U. S. Dept. of the Army, 1958.

Fundamentals of carrier telephony. Part 1: Operation of a carrier system (*Motion picture*) U. S. Dept. of the Army, 1959.

Fundamentals of carrier telephony. Part 2: Terminals and repeaters (*Motion picture*) U. S. Dept. of the Army, 1959.

Improved field wire laying with wire dispensers (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

Multiple switchboards: Installation and operation (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

Pole line construction. Part 3: Erecting poles and attaching crossarms (*Motion picture*) U. S. Dept. of the Army, 1958.

Pole line construction. Part 4: Fundamentals of guying (*Motion picture*) U. S. War Dept., 1943.

MILITARY TOPOGRAPHY

Map reading, basic: Characteristics of contour lines (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Contour lines and intervals (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Percent of slope (*Motion picture*) U. S. Dept. of the Army, 1957.

MILITARY TRAINING see Military education

MILITARY TRAINING, UNIVERSAL see Military service, Compulsory

MILITARY TRANSPORTATION see Transportation, Military

MILITARY TRIBUNALS see Courts-martial and courts of inquiry

MILITARY VEHICLES see Vehicles, Military

MILK

see also Cookery (Milk)

Milk and public health (*Motion picture*) U. S. Public Health Service, 1951.

—ANALYSIS AND EXAMINATION

Sampling raw milk (*Motion picture*) U. S. Public Health Service, 1952.

—PASTEURIZATION

High-temperature short-time pasteurization: Equipment and controls (*Filmstrip*) U. S. Public Health Service, 1951.

High-temperature short-time pasteurization: inspection and testing (*Motion picture*) U. S. Public Health Service, 1960.

You and your job (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

—STERILIZATION

Cleaning equipment and containers (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

Cleaning-in-place for pasteurization plants (*Filmstrip*) U. S. Public Health Service, 1955.

—TRANSPORTATION

Bulk milk handling (*Motion picture*) U. S. Dept. of Agriculture, 1955.

MILK, DRIED

Non-fat dry milk in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

MILK PLANTS

Cleaning equipment and containers (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

You and your job (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

MILK TRADE

Milk and public health (*Motion picture*) U. S. Public Health Service, 1951.

MILLING-MACHINES

Boring holes with offset boring head (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

Boring holes with offset boring head (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

Contour face milling (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Contour face milling (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Cutting a dovetail taper slide (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Cutting a dovetail taper slide (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Cutting a round end keyway (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Cutting a round end keyway (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

Cutting a short rack (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

Cutting a short rack (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

Cutting keyways (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

Cutting keyways (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Cutting teeth on a worm gear (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

Cutting teeth on a worm gear (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

Cutting with carbide tools. Part 2: Milling cutters (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Cutting with carbide tools. Part 2: Milling cutters (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

Drilling, tapping, stub-boring, and reaming (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Drilling, tapping, stub-boring, and reaming (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Face milling with a fixture (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Face milling with a fixture (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

La fresadora (*Motion picture*) U. S. Office of Education (1960?)

Milling a circular T-slot (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

Milling a circular T-slot (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

Milling a foundation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Milling a foundation (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Milling a helical cutter (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

Milling a helical cutter (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

Milling a helical groove (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

Milling a helical groove (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

Milling a template (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

Milling a template (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

The milling machine (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

The milling machine (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

The milling machine (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

The milling machine (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The milling machine (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

MILLING-MACHINES (Continued)

Plain indexing and cutting a spur gear (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

Plain indexing and cutting a spur gear (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Rough line-boring (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Rough line-boring (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Setup for face milling with a fixture (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Setup for face milling with a fixture (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Setup for rough line-boring (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Setup for rough line-boring (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

Straddle and surface milling to close tolerances (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

Straddle and surface milling to close tolerances (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Straddle milling (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

Straddle milling (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Using a shell end mill (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

Using a shell end mill (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

MINES AND MINERAL RESOURCES

Brazilian quartz goes to war (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Nevada and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1949.

Texas and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.

West Virginia and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

MINOR TACTICS see Drill and minor tactics

MINORITIES

see also Discrimination; Race problems

Don't be a sucker (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.

MINUTEMAN (MISSILE)

Ace in the hole (*Motion picture*) U. S. Dept. of the Air Force, 1961.

MISSILE GUIDANCE SYSTEMS see Guided missiles—Guidance systems

MISSILE TRACKING see Guided missiles —Tracking

MISSISSIPPI RIVER

Big river (*Motion picture*) U. S. Army Engineers, 1953.

Mississippi River: Upper river (*Motion picture*) U. S. Army Engineers, 1948.

Restless river (*Motion picture*) U. S. Army Engineers, 1957.

Story of the great rivers (*Motion picture*) U. S. Coast Guard, 1960.

MISSOURI

Missouri and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1950.

MISSOURI RIVER

Garrison on the Missouri (*Motion picture*) U. S. Army Engineers, 1949.

It must never happen again (*Motion picture*) U. S. Army Engineers, 1951.

MITES

Insect repellent, part 2 (*Motion picture*) U. S. Dept. of the Army, 1955.

MITOSIS see Cell division (Biology)

MODELS AND MODELMAKING

see also Hydraulic models; Patternmaking

Methods and materials employed for model construction at the NACA Langley Laboratory (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

MODERATED REACTORS, ORGANIC see Organic moderated reactors

MODERN HISTORY see History, Modern

MODERN LANGUAGES see Languages, Modern

MOLDING (FOUNDING)

Molding a horizontal cored part (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding a horizontal cored part (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding a valve body (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding a valve body (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding on a jolt roll-over pattern draw machine (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Molding on a jolt roll-over pattern draw machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Molding on a jolt squeeze machine (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Molding on a jolt squeeze machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

Molding part having a vertical core (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding part having a vertical core (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding part with deep green sand core (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding part with deep green sand core (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding with a gated pattern (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding with a gated pattern (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding with a loose pattern (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding with a loose pattern (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding with a loose pattern; floor (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding with a loose pattern; floor (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding with a split pattern (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding with a split pattern (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

Molding with a three part flask (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Molding with a three part flask (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

Moulage au moyen d'une machine à secousse et à démoulage par renversement (*Motion picture*) U. S. Office of Education, 1954.

Moulage avec un modèle multiple (*Motion picture*) U. S. Office of Education, 1954.

Moulage avec un modèle solide (*Motion picture*) U. S. Office of Education, 1954.

Moulage avec une boite a mouler en trois parties (*Motion picture*) U. S. Office of Education, 1954.

Moulage avec une machine à secousse et à compression (*Motion picture*) U. S. Office of Education, 1954.

Moulage d'un modèle en deux parties (*Motion picture*) U. S. Office of Education, 1954.

Moulage d'un modèle solide; sur le plancher (*Motion picture*) U. S. Office of Education, 1954.

Moulage d'une pièce avec un noyau horizontal (*Motion picture*) U. S. Office of Education, 1954.

Moulage d'une pièce avec un noyau profond de sable vert (*Motion picture*) U. S. Office of Education, 1954.

Moulage d'une pièce portant un noyau vertical (*Motion picture*) U. S. Office of Education, 1954.

Moulage du corps d'une soupape (*Motion picture*) U. S. Office of Education, 1954.

MOLDING (PLASTICS) see Plastics—Molding

MOLECULAR THEORY

Elements of electricity (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

MOLLUSKS

see also Snails

Australorbis glabratus, vector of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.

MOLTEN SALT REACTORS

Remote maintenance of molten salt reactors (*Motion picture*) U. S. Atomic Energy Commission, 1960.

MOLUCCAS

Moluccas (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

MOMENTS OF INERTIA

Experimental determination of moments of inertia and product of inertia (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

MONEY

see also Currency question

Your money's worth (*Motion picture*) Federal Reserve Bank of Richmond, 1953. Made by Byron, inc.

MONROE DOCTRINE

American history II, lecture 2: The United States continues its policy of isolation (*Motion picture*) U. S. Dept. of Defense, 1956.

MONTEVIDEO

Montevideo family (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

MORALE

see also Military discipline; Psychological warfare; Psychology, Military; Soldiers —Recreation

Code of the fighting man (*Motion picture*) U. S. Dept. of the Army, 1959.

The Code: The U. S. fighting man's Code of conduct (*Motion picture*) U. S. Dept. of Defense, 1959.

Leadership in action, part 2 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

Leadership in action, part 4 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

MORALS see Conduct of life

MORSE CODE

The technique of hand sending (*Motion picture*) Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

MOSQUITOES

see also Aedes aegypti

Bednetting, part 1 (*Motion picture*) U. S. Dept. of the Army, 1954.

Bednetting, part 2 (*Motion picture*) U. S. Dept. of the Army, 1954.

Chills and fever: Why? (*Filmstrip*) U. S. Public Health Service, 1947.

Identification of female anophelines of the United States (*Filmstrip*) U. S. Public Health Service, 1946.

Identification of some mosquitoes of public health importance (*Filmstrip*) U. S. Public Health Service, 1952.

Identification of U. S. genera of adult female mosquitoes (*Filmstrip*) U. S. Public Health Service, 1948.

Identification of U. S. genera of mosquito larvae (*Filmstrip*) U. S. Public Health Service, 1947.

Identification of U. S. species of Anopheles larvae (*Filmstrip*) U. S. Public Health Service, 1950.

Insect repellent, part 1 (*Motion picture*) U. S. Dept. of the Army, 1955.

Insect repellent, part 3 (*Motion picture*) U. S. Dept. of the Army, 1954.

Microdissection applied to mosquito identification (*Filmstrip*) U. S. Public Health Service, 1963.

Mosquito prevention in irrigated areas (*Motion picture*) U. S. Public Health Service, 1955.

—EXTERMINATION

see also Aeronautics in mosquito control

Biology and control of domestic mosquitoes (*Motion picture*) U. S. Public Health Service, 1960.

Breakbone fever, "dengue" (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Concrete ditching for malaria control (*Motion picture*) U. S. Public Health Service, 1949.

Dynamite (*Motion picture*) U. S. Public Health Service, 1944.

Malaria control on Corsica (*Motion picture*) U. S. War Dept., 1945.

Malaria; guerra ao mosquito (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Mosquito survey techniques (*Motion picture*) U. S. Public Health Service, 1958.

Organized mosquito control (*Motion picture*) U. S. Public Health Service, 1955.

La peste alada (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Winged scourge (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

—LARVAE

Mosquito larval habitats (*Filmstrip*) U. S. Public Health Service, 1958.

MOTHBALLING OF MILITARY SUPPLIES see Military supplies—Preservation

MOTION PICTURES see Moving-pictures

MOTOR-BOATS

see also Planing hulls

Small boat disaster prevention (*Motion picture*) U. S. Dept. of the Navy, 1951.

MOTOR BUS DRIVERS

Passengers, driving hazards, safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

MOTOR BUSES

Bus care and maintenance (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

Bus care and maintenance (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his job (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his job (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his passengers (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and his passengers (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

The operator and safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

MOTOR GRADERS see Graders (Earthmoving machinery)

MOTOR-TRUCK TERMINALS

Operation of truck terminals (*Filmstrip*) U. S. Dept. of the Army, 1955.

MOTOR-TRUCKS

see also Truck trailers

Introduction to preventive maintenance (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Introduction to preventive maintenance (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

Safe driving in bad weather. Part 2: Trucks and tractor-trailers (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Trailer 201 (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

MOTOR VEHICLE DRIVERS see Automobile drivers

MOTOR VEHICLES, AMPHIBIOUS

Modern ordnance material: The M76 amphibious cargo carrier (*Motion picture*) U. S. Dept. of the Army, 1954.

MOTOR VEHICLES IN WAR see Tanks (Military science); Transportation, Military

MOULDING (METAL) see Molding (Founding)

MOUNT VERNON

Armed Forces screen magazine, no. 533 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

MOUNTAIN LIONS see Pumas

MOUNTAIN WARFARE

Armed forces screen magazine, no. 506 (*Motion picture*) U. S. Dept. of Defense, 1953.

Exercise ski jump (*Motion picture*) U. S. Dept. of the Army, 1954.

Infantry operations in mountains (*Motion picture*) U. S. Dept. of the Army, 1954.

MOUNTAINS

Helicopter: Mountain operations (*Motion picture*) U. S. Dept. of the Air Force, 1957.

MOUSE see Mice

MOUTH

see also Jaws; Lips; Teeth; Tongue

—CANCER

Combined resection of tongue and floor of mouth with radical neck dissection (*Motion picture*) U. S. Veterans Administration, 1963.

Oral cancer: The problem of early diagnosis (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1953. Made by Audio Productions.

—DISEASES

Diseases of the mouth (*Filmstrip*) U. S. War Dept., 1945.

Surgical excision of oral leukoplakia (*Motion picture*) U. S. Dept. of the Army, 1961.

—SURGERY

Aseptic procedure in oral surgery (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

Combined resection of tongue and floor of mouth with radical neck dissection (*Motion picture*) U. S. Veterans Administration, 1963.

Excision of gingival hypertrophy (*Motion picture*) U. S. Dept. of the Army, 1952.

Excision of mandibular tori (*Motion picture*) U. S. Dept. of the Army, 1952.

Surgical excision of oral leukoplakia (*Motion picture*) U. S. Dept. of the Army, 1961.

—TUMORS

Benign dental tumors (*Motion picture*) U. S. Dept. of the Army, 1950.

Malignant oral tumors (*Motion picture*) U. S. Dept. of the Army, 1950.

MOVING-PICTURE PROJECTION

How to operate the Army 16mm sound projector set (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

MOVING-PICTURES

Origins of the motion picture (*Motion picture*) U. S. Dept. of the Navy, 1955.

MOVING-PICTURES IN INDUSTRY

Using visual aids in training (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

MOWING-MACHINES

see also Harvesting machinery

Reconditioning a mower. Part 1: Cutter bar (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a mower. Part 1: Cutter bar (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a mower. Part 2: Drive system (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Reconditioning a mower. Part 2: Drive system (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

MUD MOUNTAIN DAM

Mud Mountain Dam (*Motion picture*) U. S. Army Engineers, 1956.

MULCHING

Preventing wind erosion on the Great Plains: Stubble mulch farming (*Motion picture*) U. S. Dept. of Agriculture, 1958.

MUNICIPAL GOVERNMENT

—STUDY AND TEACHING

Our town is our classroom (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

MUNITIONS

A sharper sword and a stronger shield (*Motion picture*) U. S. Dept. of the Army, 1959.

MUSCLES

Anatomy and physiology: The muscular system (*Filmstrip*) U. S. Dept. of the Army, 1954.

MUSEUM OF SCIENCE AND INDUSTRY, CHICAGO see Chicago. Museum of Science and Industry

MUSEUMS FOR CHILDREN see Children's museums

MUSIC

see also Christmas music; Folk-songs; Symphony orchestras

Symphony across the land (*Motion picture*) U. S. Information Agency, 1959. Made by Trident Films. Released for public educational use in the United States through U. S. Office of Education, 1959.

MUSKETRY see Shooting, Military

MUTUAL SECURITY PROGRAM, 1951-

see also Military assistance, American; Technical assistance, American

Soldiers of freedom (*Motion picture*) U. S. Dept. of Defense, 1951.

The story of MDAP (*Motion picture*) U. S. Dept. of the Army, 1951.

MYCELIUM

A mycological slide culture technique (*Filmstrip*) U. S. Public Health Service, 1951.

MYCOSIS

see also Fungi, Pathogenic

Mycosis fungoides (*Motion picture*) U. S. Veterans Administration, 1952. Made by U. S. Dept. of Agriculture.

MYODYNAMICS see Muscles

N

NACA see U.S. National Advisory Committee for Aeronautics

NATO see North Atlantic Treaty Organization

NIH see U.S. National Institutes of Health

NAGANA see Trypanosomiasis

NAGASAKI

The atom strikes (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

NARCOTICS

Investigation of narcotics offenses (*Motion picture*) U. S. Dept. of the Army, 1958.

NATIONAL CHARACTERISTICS, AMERICAN

American history I, lecture 20: American society at the turn of the century (*Motion picture*) U. S. Dept. of Defense, 1956.

A free people (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

NATIONAL DANCES see Dancing—Folk and national dances

NATIONAL GALLERY OF ART see U.S. National Gallery of Art

NATIONAL GUARD (U.S.) see U.S.—National Guard

NATIONAL INSTITUES OF HEALTH (U. S.) see U.S. National Institutes of Health

NATIONAL PARKS AND RESERVES

see also Forest reserves; Wilderness areas

Patagonian playground (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

NATIONAL REACTOR TESTING STATION, IDAHO FALLS, IDAHO see U.S. National Reactor Testing Station, Idaho Falls, Idaho

NATIONAL RESOURCES see Natural resources

NATIONAL SONGS, AMERICAN

—HISTORY AND CRITICISM

America (My country 'tis of thee) (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

NATO see North Atlantic Treaty Organization

NATURAL RESOURCES

see also Fisheries; Forests and forestry; Reclamation of land; Water resources development; Water-supply

Alaska and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp. Released by U. S. Bureau of Mines, 1961.

American history II, lecture 6: Problems of agriculture and conservation in an industrial economy (*Motion picture*) U. S. Dept. of Defense, 1956.

Arizona and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1955. Made by Frederick K. Rockett Co.

California and its natural resources (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.

Conservation and you (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Idaho and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with the Richfield Oil Corp., 1956. Made by Norman Wright Productions.

Missouri and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1950.

Oklahoma and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1953.

Oregon and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1951.

The river (*Motion picture*) U. S. Dept. of Agriculture, 1939. Made by Pare Lorentz.

Washington and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1952.

Wyoming and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

NATURAL SCIENCE see Science

NAUTICAL ALMANACS

The American nautical almanac for the year 1943 (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

NAUTICAL ASTRONOMY

see also Navigation; Time

Nautical astronomy (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

Rude star identifier (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

NAUTICAL CHARTS

Charting activities of the U. S. Lake Survey (*Motion picture*) U. S. Army Engineers, 1953.

Charts (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

How to use navigational aids (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

NAUTICAL INSTRUMENTS

The fathometer (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

Instruments used in piloting (*Filmstrip*) U. S. Coast Guard, 1941. Released for public educational use through U. S. Office of Education, 1948.

Steering (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

NAUTILUS (SUBMARINE, SSN 571)

The Nautilus crosses the top of the world (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

USS Nautilus: Operation sunshine (*Motion picture*) U. S. Dept. of the Navy, 1959.

NAVAL ADMINISTRATION see Naval art and science

NAVAL AERONAUTICS see Aeronautics, Military

NAVAL AIR STATIONS see Air bases

NAVAL ART AND SCIENCE

see also Logistics, Naval; Military art and science; Navigation; Navy-yards and naval stations; Sea-power; Seamanship; Ship-building; Signals and signaling; Strategy; Submarine boats; Submarine warfare

World wide naval operations in peace and war, 1815–1860 (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Creative Arts Studio.

—ABBREVIATIONS

Digital computer techniques: Computer logic symbology (*Motion picture*) U. S. Dept. of the Navy, 1962.

NAVAL AVIATION see U.S. Navy—Aviation

NAVAL BASES see Navy-yards and naval stations

NAVAL BOILERS see Steam-boilers, Marine

NAVAL CEREMONIES, HONORS, AND SALUTES

The salute (*Motion picture*) U. S. Dept. of the Navy, 1960.

NAVAL CHAPLAINS see Chaplains, Military

NAVAL COMMUNICATIONS see Communications, Military

NAVAL CONSTRUCTION see Ship building

NAVAL COOKERY see Cookery, Marine

NAVAL COURTESY see Naval ceremonies, honors and salutes

NAVAL DENTISTRY see Dentistry, Naval

NAVAL EDUCATION

European cruise (*Motion picture*) U. S. Dept. of the Navy, 1956.

Five ladders to the bridge (*Motion picture*) U. S. Dept. of the Navy, 1962.

Learning by doing (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.

Navy men (*Motion picture*) U. S. Dept. of the Navy, 1956.

Ready for sea (*Motion picture*) U. S. Dept. of the Navy, 1952.

Trade training in the Navy (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

NAVAL HONORS see Naval ceremonies, honors and salutes

NAVAL HYGIENE

see also Medicine, Naval; Military hygiene; Ships—Sanitation

The washdown countermeasures: Preventing radiological contamination of ships exposed to underwater atomic attack (*Motion picture*) U. S. Dept. of the Navy, 1953.

NAVAL MEDICAL RESEARCH

Naval medical research: A survey, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1955.

Naval medical research: A survey, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1955.

NAVAL RESEARCH

Challenge in naval research (*Motion picture*) U. S. Dept. of the Navy, 1957.

NAVAL SALUTES see Naval ceremonies, honors and salutes

NAVAL SCHOOLS see Naval education

NAVAL SCIENCE see Naval art and science

NAVAL STATIONS see Navy-yards and naval stations

NAVAL STRATEGY see Naval art and science; Strategy

NAVAL WARFARE see Naval art and science

NAVIGATION

see also Aids to navigation; Azimuth; Beacons; Buoys; Collisions at sea; Dead reckoning (Navigation); Electronics in navigation; Fog-signals; Hydrographic surveying; Inland navigation; Lighthouses; Masts and rigging; Nautical almanacs; Nautical astronomy; Nautical charts; Nautical instruments; Naval art and science; Ocean currents; Pilots and pilotage; Rule of the road at sea; Seamanship; Ship-building; Shipwrecks; Sounding and soundings; Submarine boats; Tides; Winds

The American nautical almanac for the year 1943 (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

The astronomical triangle (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Day's work of a navigator at sea (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

Day's work of a navigator in pilot waters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

Piloting, surface (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

Relative movement. Part 1: Relative movement and interception (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Rules in fog (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

—PROBLEMS, EXERCISES, ETC.

Dead reckoning: Plotting, and celestial lines of position (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Night piloting, surface (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

NAVIGATION (AERONAUTICS)

see also Radio direction finders

Aerial navigation: Map reading (*Motion picture*) U. S. Army Air Forces, 1945.

Air pilotage (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Air swinging and curve data for the SCR-269-ACG (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Celestial guidance for fighter pilots (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Celestial instruments. Part 2: Aerial sextants (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Celestial sphere and time. Part 2: Celestial sphere (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Dead reckoning: air (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Dead reckoning instruments. Part 1: Driftmeters (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Elementary dead reckoning. Part 1: Earth's surface (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Grid navigation: Application of theory (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Grid navigation: Introduction and theory (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Interpretation of a single "log" (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Jet flight planning (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Latitude by Polaris (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Navigation and the weather (*Filmstrip*) U. S. Civil Air Patrol, 1957.

Orientation: The 90 degree method (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

Radio compass equipment (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Radio navigation. Part 1: Introduction and aids to radio navigation (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Radio navigation. Part 3: Radio bearings (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Relative movement. Part 1: Relative movement and interception (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Relative movement. Part 3: Geographic sector search, relative sector (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Time (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Wind and the navigator: In-flight analysis (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Wind and the navigator: Pre-flight planning (*Motion picture*) U. S. Dept. of the Air Force, 1957.

NAVIGATION, ELECTRONICS IN see Electronics in navigation

NAVIGATION, INLAND see Inland navigation

NAVIGATION CHARTS see Nautical charts

NAVIGATIONAL AIDS (AERONAUTICS) see Aids to air navigation

NAVY RELIEF SOCIETY

Navy Relief Society (*Motion picture*) U. S. Dept. of the Navy, 1951.

NAVY WIVES

Mrs. United States Navy (*Motion picture*) U. S. Dept. of the Navy, 1957.

NAVY-YARDS AND NAVAL STATIONS

Master planning: Shore station development (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Charles Elms Productions.

Naval shipyards serve the fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

Public works and public utilities: Control of corrosion by cathode protection; buried metal structures (*Motion picture*) U. S. Dept. of the Navy, 1960.

Public works and public utilities: Painting structures ashore (*Motion picture*) U. S. Dept. of the Navy, 1960.

—MAINTENANCE AND REPAIR

Public works and public utilities: Controlled maintenance (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

NEAR EAST

—POLITICS

The dilemma of the U. S. foreign policy in the Middle East (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

The Middle East problem with Dr. Charles Malik (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

NECK

Masseter, temporal muscles and temporal fascia (*Motion picture*) U. S. Veterans Administration, 1959.

NECROPSY see Autopsy

NEEDLEWORK

see also Dressmaking

—IMPLEMENTS AND APPLIANCES

Hand tools for fabric work (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

NEGATIVES see Photography—Negatives

NEGROES

—EDUCATION

Negro colleges in wartime (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

NEMATODA

see also Hookworms

Fungi snare and destroy nematodes (*Motion picture*) U. S. Dept. of Agriculture, 1940.

NEOPRENE see Rubber, Artificial

NEPAL

Himalayan awakening (*Motion picture*) U. S. Information Agency, 1957. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education.

NEPHROTOMY see Kidneys—Surgery

NERVES

see also Nervous system

—SURGERY

Arterial disorders in the upper extremity and their treatment by sympathectomy (*Motion picture*) U. S. Dept. of the Army, 1950.

Method of repair of posterior tibial nerve (*Motion picture*) U. S. Dept. of the Army, 1949.

Neurorrhaphy of median and ulnar nerves in mid-arm (*Motion picture*) U. S. Dept. of the Army, 1948.

Neurorrhaphy of median and ulnar nerves in the left forearm (*Motion picture*) U. S. Dept. of the Army, 1948.

Partial neurorrhaphy of the sciatic nerve in the buttock (*Motion picture*) U. S. War Dept., 1946.

Peripheral nerve surgery. Part 1: Sciatic nerve (*Motion picture*) U. S. Dept. of the Army, 1947.

Peripheral nerve surgery: Exploration of sciatic nerve in the thigh (*Motion picture*) U. S. Veterans Administration, 1959.

Peripheral nerve surgery: Neurolysis of the musculocutaneous nerve (*Motion picture*) U. S. Veterans Administration, 1959.

Peripheral nerve surgery: Result following repair of the radial nerve in mid-third arm (*Motion picture*) U. S. Veterans Administration, 1959.

Peroneal nerve anastomosis at the knee (*Motion picture*) U. S. Dept. of the Army, 1948.

Transplantation and anastomosis of radial nerve (*Motion picture*) U. S. Dept. of the Army, 1948.

Ulnar nerve and soft tissue defect and simultaneous repair in the forearm (*Motion picture*) U. S. Dept. of the Army, 1950.

NERVES (Continued)

—WOUNDS AND INJURIES

The diagnosis of peripheral nerve injuries (*Motion picture*) U. S. Dept. of the Army, 1949.

Neurorrhaphy of median and ulnar nerves in the left forearm (*Motion picture*) U. S. Dept. of the Army, 1948.

Partial neurorrhaphy of the sciatic nerve in the buttock (*Motion picture*) U. S. War Dept., 1946.

Peripheral nerve surgery. Part 1: Sciatic nerve (*Motion picture*) U. S. Dept. of the Army, 1947.

Therapeutic exercise: Peripheral nerve injuries (*Motion picture*) U. S. Dept. of the Army, 1947.

Tibial nerve anastomosis in the lower calf (*Motion picture*) U. S. Dept. of the Army, 1949.

NERVES, BRACHIAL

Neurorrhaphy of median and ulnar nerves in the left forearm (*Motion picture*) U. S. Dept. of the Army, 1948.

Transplantation and anastomosis of radial nerve (*Motion picture*) U. S. Dept. of the Army, 1948.

NERVES, FACIAL

Parotid gland and facial nerve (*Motion picture*) U. S. Veterans Administration, 1957.

NERVES, RADIAL

Repair of the radial nerve in the distal one-third of the arm (*Motion picture*) U. S. Veterans Administration, 1961.

NERVOUS SYSTEM

see also Brain; Nerves; Reflexes; Shock; Spinal cord

Functional syndromes with pronounced physical symptoms (*Motion picture*) U. S. Public Health Service, 1938.

Nerve gases. Part 1: Field recognition and self-aid procedures (*Motion picture*) U. S. Dept. of the Army, 1958.

—DISEASES

see also Fear; Spondylotherapy

Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states (*Motion picture*) U. S. Public Health Service, 1938.

Disorders of the extra-pyramidal system and the posterior columns (*Motion picture*) U. S. Public Health Service, 1938.

Year of birth (*Motion picture*) U. S. Public Health Service, 1958.

—DISEASES—DIAGNOSIS

General neurological examination and clinical signs of disorders of the pyramidal system (*Motion picture*) U. S. Public Health Service, 1938.

Neurological examination of the newborn infant (*Motion picture*) U. S. Public Health Service, 1960. Made by Churchill-Wexler Film Productions.

Neurological examination of the one year old (*Motion picture*) U. S. Public Health Service, 1960. Made by Churchill-Wexler Film Productions.

—SURGERY

see also Brain—Surgery; Nerves—Surgery

Neurosurgery: Facial neuralgia (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

NERVOUS SYSTEM, SYMPATHETIC

—SURGERY

Lumbar sympathectomy (Ganglionectomy) (*Motion picture*) U. S. Dept. of the Army, 1948.

NETHERLANDS

The Benelux countries (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Introducing the Netherlands (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytara Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

NEURALGIA, FACIAL

Neurosurgery: Facial neuralgia (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education. 1948.

NEURONS see Nerves

NEUROPATHOLOGY see Nervous system —Diseases

NEUROSURGERY see Nervous system —Surgery

NEUTRONS

Argonne fast source reactor (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by Argonne National Laboratory.

NEVADA

Nevada and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1949.

NEW GUINEA

New Guinea (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

NEW MEXICO. UNIVERSITY

They major in missiles (*Motion picture*) U. S. Dept. of the Army, 1960.

NEW STATES see States, New

NEW YORK (CITY)

—PUBLIC SCHOOLS

A better tomorrow (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

NEW YORK. INTERNATIONAL HOUSE

International House (*Motion picture*) U. S. Dept. of the Army, 1950. Made by American Film Producers. Released for public educational use through U. S. Office of Education, 1950.

NEW YORK. PUBLIC LIBRARY

The impressionable years (*Motion picture*) U. S. Dept. of State, 1952. Made by Peter Elgar Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

NEW YORK (STATE) LEGISLATURE

Japanese Diet members visit an American legislature (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.

NEW YORK HERALD TRIBUNE FORUM FOR HIGH SCHOOLS

Herald tribune youth forum (*Motion picture*) U. S. Dept. of State, 1961. Produced by RKO Pathe. Released for educational use in the United States through U. S. Office of Education, 1961.

The world we want—African version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.

The world we want—Far East version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.

The world we want—Near East version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.

NEW YORK UNIVERSITY

NYU television workshop (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Murphy Lillis Productions. Released for public educational use through U. S. Office of Education, 1950.

NEWSBOYS

American newsboy (*Motion picture*) U. S. Dept. of State, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

Burroughs newsboy foundation (*Motion picture*) U. S. Dept. of the Army, 1949. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

NEWSPAPERS

see also Liberty of the press

Small town editor (*Motion picture*) U. S. Dept. of State, 1952. Made by Media Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

NIAGARA FALLS

Incredible cataract (*Motion picture*) U. S. Army Engineers, 1956.

New look for Niagara (*Motion picture*) U. S. Army Engineers, 1954.

NIGHT SCHOOLS see Evening and continuation schools

NIGHT VISION

How to use your eyes at night (*Motion picture*) U. S. Dept. of the Air Force, 1952.

NIGHT WATCHMEN see Watchmen

NIKE ROCKET

Army's Nike guards Nation's Capital (*Motion picture*) U. S. Dept. of Defense, 1955.

Missile master: AN/FSG-1 anti-aircraft defense system, engineering report no. 9627 (*Motion picture*) U. S. Dept. of the Army, 1958.

NIKE: For defense of America (*Motion picture*) U. S. Dept. of the Army, 1958.

Nike for the defense of your community (*Motion picture*) U. S. Dept. of the Army, 1956.

Nike: Guardian of the cities (*Motion picture*) U. S. Dept. of the Army, 1957.

Snodgrass task force (*Motion picture*) U. S. Dept. of the Army, 1960.

NITROGEN

Oxygen, nitrogen generating plant distillation column control (*Motion picture*) U. S. Dept. of the Air Force, 1960.

NOISE

Medical aspects of high intensity noise: Ear defense (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

Medical aspects of high intensity noise: General effects (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

Search for silence (*Motion picture*) U. S. Dept. of the Navy, 1960.

Submarine noise reduction: Bearings, care in installation (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Herbert Kerkow, inc.

NON-DESTRUCTIVE TESTING

Air Force non-destructive testing (*Motion picture*) U. S. Dept. of the Air Force, 1958.

NON-RESISTANCE TO GOVERNMENT see Government, Resistance to

NORTH AMERICAN AIR DEFENSE COMMAND

Guard of the sky: The NORAD story (*Motion picture*) U. S. Dept. of the Air Force, 1959.

O'er the ramparts (*Motion picture*) U. S. Dept. of the Navy, 1959.

NORTH AMERICAN AVIATION, INC.

Quality control (*Motion picture*) U. S. Dept. of the Air Force, 1955.

NORTH AMERICAN BUCKEYE see T2J Training plane

NORTH ATLANTIC TREATY, 1949

Twelve nations sign North Atlantic pact (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

NORTH ATLANTIC TREATY ORGANIZATION

Around this table (*Motion picture*) U. S. Information Agency and North Atlantic Treaty Organization, 1955. Made by Cinetone Studios, Amsterdam. Released for public educational use in the United States through U. S. Office of Education, 1955.

Miracle of promise (*Motion picture*) U. S. Dept. of the Air Force, 1954.

NATO seapower for peace (*Motion picture*) U. S. Dept. of the Navy, 1957.

Why NATO (*Motion picture*) U. S. Dept. of Defense, 1959 Made by U. S. Dept. of the Army.

—ARMED FORCES

U. S. weapons in combat (*Motion picture*) U. S. Dept. of the Army, 1953.

NORWAY

Introducing Norway (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Norsk dokumentarfilm, Oslo. Released in the United States by U. S. Dept. of State, 1956.

NUCLEAR ENGINEERING

see also Atomic power; Nuclear fuels; Radioisotopes

The Argonaut (*Motion picture*) U. S. Atomic Energy Commission, 1957.

Atoms for peace. Part 6: Training men for the atomic age (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

NUCLEAR FUELS

Ceramic fuel fabrication development for PRTR (*Motion picture*) U. S. Atomic Energy Commission, 1962. Made by General Electric Co.

Fabrication of research reactor fuel elements (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Fuel element burning experiment (*Motion picture*) U. S. Atomic Energy Commission and U. S. Department of Agriculture, 1959.

Fuel fabrication facility (*Modern picture*) U. S. Atomic Energy Commission, 1959.

Novel methods of fuel fabrication (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.

Plutonium fuel fabrication. EBR-1, Mark 4 (*Motion picture*) U. S. Atomic Energy Commission, 1961.

Reactor fuel processing (*Motion picture*) U. S. Atomic Energy Commission, 1958.

NUCLEAR FUSION, CONTROLLED see Controlled fusion

NUCLEAR PHYSICS

see also Atomic energy; Electrons; Particle accelerators; Radioactivity

Atoms for peace. Part 6: Training men for the atomic age (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

Fundamentals of radioactivity (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

NUCLEAR POWER see Atomic power

NUCLEAR REACTORS

see also Army package power reactors; Boiling water reactors; Breeder reactors; Engineering test reactors; Gas cooled reactors; Heavy water reactors; Materials testing reactors; Molten salt reactors; Organic moderated reactors; Project S N A P; Sodium graphite reactors; Swimming pool reactors

Argonne fast source reactor (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by Argonne National Laboratory.

Basic principles of power reactors (*Motion picture*) U. S. Atomic Energy Commission, 1962 Made by U. S. Dept. of the Air Force.

BORAX: Construction and Operation of a Boiling Water Reactor (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

Construction of the Argonne research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1956.

Developing homogeneous reactors (*Motion picture*) U. S. Atomic Energy Commission, 1956.

Fast reactor program (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Medical research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Audio Productions.

The Naval Research Laboratory reactor (*Motion picture*) U. S. Dept. of the Navy, 1960.

The new power (*Motion picture*) U. S. Atomic Energy Commission, 1960.

Power reactors—USA (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Lytle Corp.

Research reactors—USA (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Lytle Corp.

Zero power reactor 3 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

—ACCIDENTS

Remote repair and modification of the HRE-2 core vessel (*Motion picture*) U. S. Atomic Energy Commission, 1961.

The SL-1 accident, phases 1 and 2 (*Motion picture*) U. S. Atomic Energy Commission, 1962.

The SL-1 accident, phase 3 (*Motion picture*) U. S. Atomic Energy Commission, 1962.

Spert 1: Reactor safety experiments (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

—CORROSION

In-pile loop tests of homogeneous reactor materials (*Motion picture*) U. S. Atomic Energy Commission, 1960.

—FUEL see Nuclear fuels

—MAINTENANCE AND REPAIR

Remote maintenance of molten salt reactors (*Motion picture*) U. S. Atomic Energy Commission, 1960.

Remote repair and modification of the HRE-2 core vessel (*Motion picture*) U. S. Atomic Energy Commission, 1961.

Restoration of the NRX reactor (*Motion picture*) U. S. Atomic Energy Commission and Atomic Energy of Canada, Chalk River, Ont., 1959. Made by U. S. Dept. of Agriculture.

—SAFETY MEASURES

Kinetic experiment on water boilers (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Atomics International.

Research reactor safety device (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1958.

Restoration of the NRX reactor (*Motion picture*) U. S. Atomic Energy Commission and Atomic Energy of Canada, Chalk River, Ont., 1959. Made by U. S. Dept. of Agriculture.

Spert 1: Reactor safety experiments (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

NUCLEAR WARFARE see Atomic warfare

NUCLEAR WEAPONS see Atomic weapons

NUMBERS, SIGNED see Signed numbers

NUMERICAL ROOTS see Roots, Numerical

NUREMBERG TRIAL OF MAJOR GERMAN WAR CRIMINALS, 1945-1946

Nuremberg trials (*Motion picture*) U. S. Dept. of Defense, 1949.

NURSES AND NURSING

see also Convalescence; Diet in disease; Disaster nursing; First aid in illness and injury; Home nursing; Hospitals; Infants —Care and hygiene; Practical nursing; Psychiatric nursing; Public health nursing; Sick; Surgical nursing

Basic care of patients. Part 1: Cleaning the patient's unit and making an unoccupied bed (*Motion picture*) U. S. Dept. of the Army, 1957.

Basic care of patients. Part 2: The bed bath (*Motion picture*) U. S. Dept. of the Army, 1957.

Basic care of patients. Part 3: Making an occupied bed (*Motion picture*) U. S. Dept. of the Army, 1957.

Basic care of patients. Part 5: Feeding the patient (*Motion picture*) U. S. Dept. of the Army, 1957.

Basic care of patients. Part 7: Sterile technique (*Motion picture*) U. S. Dept. of the Army, 1957.

Bathing the patient: Home care (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Bathing the patient: Home care (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Because she is there (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Care of the cardiac patient (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the cardiac patient (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the newborn baby: The nurse's role in instructing the parents (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

Care of the newborn baby: The nurse's role in instructing the parents (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

Care of the patient with diabetes mellitus: Complicated (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the patient with diabetes mellitus: Complicated (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the patient with diabetes mellitus; Uncomplicated (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Care of the patient with diabetes mellitus: Uncomplicated (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Feeding the patient (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.

Feeding the patient (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.

How to observe nursing activities, part 1 (*Motion picture*) U. S. Public Health Service, 1960.

How to observe nursing activities, part 2 (*Motion picture*) U. S. Public Health Service, 1960.

Hydrotherapy (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Hydrotherapy (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The nurse combats disease (*Motion picture*) U. S. Public Health Service, 1962.

NURSES AND NURSING (Continued)

The nurse combats disease (*Filmstrip*) U. S. Public Health Service, 1961.

Nursing care with a Stryker frame (*Motion picture*) U. S. Dept. of the Army, 1958.

Nursing in the tropics (*Motion picture*) U. S. Dept. of the Army, 1952.

Radiotherapy: High dosage treatment (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Radiotherapy: High dosage treatment (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Teaching crutch walking (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Teaching crutch walking (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Therapeutic uses of heat and cold. Part 1: Administering hot applications (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Therapeutic uses of heat and cold. Part 1: Administering hot applications (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Therapeutic uses of heat and cold. Part 2: Administering cold applications (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Therapeutic uses of heat and cold. Part 2: Administering cold applications (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

NURSING HOMES

Working together (*Motion picture*) U. S. Public Health Service, 1962.

NUTRITION

see also Diet; Digestion; Food; Food habits; Metabolism; Nitrogen; Vitamins

El cuerpo humano (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

E facil comer bem (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Es fácil comer bien (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Feeding farm animals (*Motion picture*) U. S. Dept. of Agriculture, 1946.

The human body (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Planning for good eating (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

The wonderful world of food (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

—RESEARCH

Better living through research (*Motion picture*) U. S. Dept. of Agriculture, 1958.

NUTRITION OF CHILDREN see Infants —Nutrition

NUTS (MACHINERY) see Bolts and nuts

O

O M R see Organic moderated reactors

OBESITY see Corpulence

OCCIDENTAL LANGUAGES see Languages, Modern

OCCUPATION, CHOICE OF see Vocational guidance

OCCUPATIONAL ACCIDENTS see Industrial accidents

OCCUPATIONAL APTITUDE TESTS see Ability—Testing

OCCUPATIONAL THERAPY

Introduction to occupational therapy (*Motion picture*) U. S. Dept. of the Army, 1954.

Journey to reality (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education 1952

Occupational therapy in problems of motion (*Motion picture*) U. S. Dept. of the Army, 1950.

Prescription O. T. (*Motion picture*) U. S. Veterans Administration, 1959.

Recreational and occupational therapy (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Recreational and occupational therapy (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Time out: Occupational therapy in tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1949.

OCEAN

see also Icebergs; Sea-water; Sounding and soundings; Tides; Waves

Military oceanography: Bathythermograph observations (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

Military oceanography: Occupying an oceanographic station (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

OCEAN CURRENTS

Tides and currents (*Motion picture*) U. S. Coast and Geodetic Survey, 1955.

OCEAN TEMPERATURE

see also Bathythermograph

Military oceanography: Occupying an oceanographic station (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

OCEAN TRANSPORTATION see Shipping

ODONTOLOGY see Teeth

OESOPHAGUS see Esophagus

OFFICE EQUIPMENT AND SUPPLIES

see also Dictating machines

Maintenance of office machines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

OFFICE MANAGEMENT

see also Personnel management

Work simplification in the office (*Motion picture*) U. S. Dept. of the Army, 1954.

OFFICE PROCEDURES

Take a letter, please (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

OFFSHORE STRUCTURES see Artificial islands

OHIO

The doctor (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

The mechanic (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Produced by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

Ohio town (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

OHIO RIVER

The Ohio River (*Motion picture*) U. S. Army Engineers, 1947.

Story of the great rivers (*Motion picture*) U. S. Coast Guard, 1960.

OHIO VALLEY

This is your valley (*Motion picture*) U. S. Army Engineers, 1956.

OHMMETER

Volt ohmmeter operation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

OHM'S LAW

Ohm's law (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

OIL see Petroleum

OIL HYDRAULIC MACHINERY

The oil gear hydraulic traversing mechanism, principles of operation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

OIL-TANK STEAMERS see Tank-vessels

OILS AND FATS

see also Lubrication and lubricants; Petroleum

Beltsville newsreel, no. 7 (*Motion picture*) U. S. Dept. of Agriculture, 1957.

ŌISO, JAPAN. KAPAUN RETREAT HOUSE

Kapaun Retreat House (*Motion picture*) U. S. Dept. of the Army, 1957.

OKLAHOMA

Oklahoma and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1953.

OLD IRONSIDES see Constitution (Frigate)

OLMECS

Jungle quest for the great stone heads (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Released for educational use in the United States through U. S. Office of Education, 1949.

OLYMPIC GAMES

Armed Forces screen magazine, no. 502 (*Motion picture*) U. S. Dept. of Defense, 1962. Released for public educational use through U. S. Office of Education, 1962.

OLYMPIC GAMES (WINTER) SQUAW VALLEY, CALIF., 1960

Winter Olympics (*Motion picture*) U. S. Dept. of Agriculture, 1961.

OMPHALOCELE see Umbilicus—Hernia

ONIONS

Hybrid onions (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Onions and more onions (*Motion picture*) U. S. Dept. of Agriculture, 1962.

OPEN FORUM see Forums (Discussion and debate)

OPERATIONS, SURGICAL

see also Postoperative care; Shock; Surgical nursing

Basic care of patients. Part 8: Pre-operative care (*Motion picture*) U. S. Dept. of the Army, 1957.

OPERATIONS RESEARCH

see also Research, Industrial; Systems engineering

Simulogs (*Motion picture*) U. S. Dept. of the Air Force, 1958.

OPERATIVE SURGERY see Surgery, Operative

OPIATES see Narcotics

OPPANOL see Rubber, Artificial

OPTICAL INSTRUMENTS

see also Glass, Optical; Lenses; Microscope and microscopy

Introduction to optics (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

OPTICAL MEASUREMENTS

Measurement with light waves (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

Measurement with light waves (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

OPTICAL TRADE

Optical, production methods (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

OPTICS

see also Light, Wave theory of; Radiation; Refraction

Elementary optics in photography (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

Introduction to optics (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

ORAL COMMUNICATION

see also Speech

Your audience, bless 'em (*Motion picture*) U. S. Dept. of Agriculture, 1959.

ORAL SURGERY see Mouth—Surgery

ORANGE

Bite 'em and C (*Motion picture*) U. S. Dept. of Agriculture, 1952.

ORATORY

Speech techniques (*Motion picture*) U. S. Dept. of the Army, 1956.

ORBITING VEHICLES see Artificial satellites

ORCHARDS see Fruit-culture

ORCHIDS

Orchids (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

ORDNANCE

see also Artillery; Atomic weapons; Ballistics; Gun-carriages; Gunnery; Machine-guns; Rocket launchers (Ordnance)

Fire power (*Motion picture*) U. S. Dept. of the Army, 1956.

Fundamentals of artillery weapons. Part 1: Types and components of cannon (*Motion picture*) U. S. War Dept., 1944.

ORDNANCE TESTING

Aberdeen proving ground (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

Report on Aberdeen Proving Ground (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

OREGON

Northwest U. S. A. (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

Oregon and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp. 1951.

ORGANIC MODERATED REACTORS

OMRE fuel element removal and second core loading (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Atomics International.

The organic moderated reactor experiment (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1958.

ORGANIZATIONS, INTERNATIONAL see International cooperation; and names of individual international organizations, e. g. North Atlantic Treaty Organization

ORIENTAL ARTISTS see Artists, Oriental

ORIENTATION

Direction, orientation, and location without a compass (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1953.

Map reading, basic: Azimuth conversion (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Direction (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Intersection (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Location (*Motion picture*) U. S. Dept. of the Army, 1957.

Map reading, basic: Resection (*Motion picture*) U. S. Dept. of the Army, 1957.

ORIZABA, MEXICO

A town in old Mexico (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

OROGRAPHY see Mountains

ORTHODONTIC APPLIANCES see Dental instruments and apparatus

ORTHOPEDIA

Therapeutic exercise: Orthopedics (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

ORTHOPEDIC APPARATUS

see also Artificial limbs; Crutches

Teaching crutch walking (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Teaching crutch walking (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

OSCILLATORS, ELECTRIC

see also Magnetrons

Circuit testing: Signal generators (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

Oscillators (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.

OSCILLATORS, VACUUM-TUBE

Audio oscillator operation (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

OSTEOLOGY see Bones

OSTEOPLASTY see Bone-grafting

OUTDOOR LIFE

see also Camping; Country life

Philippine Islands (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

Survival in the South Pacific (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Voice of the forest (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the state foresters of the Northeastern States. Released by U. S. Dept. of Agriculture, 1961.

OUTER SPACE

—EXPLORATION

Holloman: Frontier of the future (*Motion picture*) U. S. Dept. of the Air Force, 1957.

OXYACETYLENE WELDING AND CUTTING

The guided bend test (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

The guided bend test (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Manual cutting a bevel: Freehand (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Manual cutting a bevel: Freehand (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Manual cutting a shape: Freehand guided (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Manual cutting a shape: Freehand guided (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Manual cutting to a line: Freehand (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Manual cutting to a line: Freehand (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

The oxy-acetylene flame, master of metals (*Motion picture*) U. S. Bureau of Mines in cooperation with International Acetylene Association, 1950.

Oxy-acetylene welding: Light metal (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Oxy-acetylene welding: Light metal (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

Torch welding (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

OXYGEN

Oxygen, nitrogen generating plant distillation column control (*Motion picture*) U. S. Dept. of the Air Force, 1960.

—PHYSIOLOGICAL EFFECT

Oxygen: Inflight requirements (*Motion picture*) U. S. Dept. of the Air Force, 1956. Released for public educational use 1961.

OXYGEN EQUIPMENT IN AEROPLANES see Aeroplanes—Oxygen equipment

OXYURIASIS

Diagnosis of enterobiasis (*Filmstrip*) U. S. Public Health Service, 1950.

OXYURIS VERMICULARIS

Diagnosis of enterobiasis (*Filmstrip*) U. S. Public Health Service, 1950.

OYSTERS

Food inspection: Oysters (*Filmstrip*) U. S. Dept. of the Army, 1954.

P

PM REACTORS see Army reactors (PM)

PACKAGED BUILDINGS see Buildings, Prefabricated

PACKAGING

see also Containers; Labels; Packing for shipment; Wrapping materials

Packaging and packing: Cushioning, blocking and bracing, part 1 (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Method III (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, submethod IIe, container barrier (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Specifications (*Filmstrip*) *U. S.* Dept. of the Army, 1960.

Packaging and packing: Use of salvaged packaging materials (*Filmstrip*) U. S. Dept. of the Army, 1955.

Packaging of evidence for transmittal to the Military Police Criminal Investigation Laboratories (*Filmstrip*) U. S. Dept. of the Army, 1956.

PACKING (MECHANICAL ENGINEERING)

Mechanical packing aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

Pressure sealing (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

PACKING FOR SHIPMENT

see also Shipment of goods

Care and use of pneumatic dunnage (*Motion picture*) U. S. Dept. of the Army, 1961.

Packaging and packing: Cleated panel boxes (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: CONEX containers (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Determination of methods of preservation (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Economy in packaging and packing (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Fabrication of corrugated fiberboard cells and pads (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Fully sheathed crates (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Heat sealing (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Methods of cleaning and drying (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Methods of preservation, method II (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, method 3 (*Filmstrip*) U. S. Dept. of the Army, 1961.

Packaging and packing: Methods of preservation, submethod IIb, container, barrier, container (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, submethod IIc, cushioned item, bag (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Nailed wood boxes (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Palletization (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Specifications (*Filmstrip*) *U. S.* Dept. of the Army, 1960.

Packaging and packing: Strapping of military shipments (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Sub-method IIa, floating bag (*Filmstrip*) U. S. Dept. of the Army, 1959.

Self-sealing fuel cells: Packing, stowage and handling (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1946.

PACKING INDUSTRY see Meat industry and trade

PAINT SPRAYING see Spray painting

PAINTING, STRUCTURAL

Public works and public utilities: Painting structures ashore (*Motion picture*) U. S. Dept. of the Navy, 1960.

PAINTINGS, AMERICAN

American painting in history (*Filmstrip*) U. S. National Gallery of Art, 1959.

PAIR SYSTEM see Binary system (Mathematics)

PALATE

Intra-oral and pharyngeal structures and their movements (*Motion picture*) U. S. Veterans Administration, 1951.

PALEOANTHROPOLOGY see Man, Prehistoric

PALLETIZED CARGO SYSTEMS see Unitized cargo systems

PALLETS (SHIPPING, STORAGE, ETC.)

Packaging and packing: Palletization (*Filmstrip*) U. S. Dept. of the Army, 1960.

PALSY see Paralysis

PAN AMERICAN GAMES, CHICAGO, 1959

I & E screen magazine, no. 575 (*Motion picture*) U. S. Dept. of Defense, 1959.

PAN AMERICAN GAMES, MEXICO (CITY) 1955

Armed Forces screen magazine, no. 536 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

PAN-AMERICANISM

see also Monroe doctrine

American history II, lecture 9: America's relations with her neighbors to the south (*Motion picture*) U. S. Dept. of Defense, 1956.

PANAMA

Panama (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

PANAMA CANAL

Floating drydocks: Careening the YFD-4 (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1962.

PANCREAS

Embryology of the liver, gallbladder, and pancreas (*Motion picture*) U. S. Dept. of the Army, 1957. Released for public educational use through U. S. Office of Education, 1962.

PANGENESIS see Reproduction

PARACHUTE TROOPS

Assembly of an airborne unit (*Motion picture*) U. S. Dept. of the Army, 1955.

Duties of the jumpmaster (*Motion picture*) U. S. Dept. of the Army, 1962.

Personnel loading capabilities of the C-130 aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1954.

PARACHUTES

see also Airdrop

Smokejumper training: Part 1: indoctrination (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumper training. Part 2: Ground training (*Motion picture*) U. S. Dept. of Agriculture. 1947.

—TESTING

Wind-tunnel tests of opening characteristics of various baseball-type hemispherical parachutes (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

PARACHUTING

Chuting stars (*Motion picture*) U. S. Dept. of the Navy, 1963.

Duties of the jumpmaster (*Motion picture*) U. S. Dept. of the Army, 1962.

Emergency use of the parachute (*Motion picture*; U. S. Dept. of the Army, 1957.

Parachute landing falls (*Motion picture*) U. S. Dept. of the Army, 1956.

Parachute landing techniques (*Motion picture*) U. S. Dept. of the Navy, 1960.

Personnel parachute entanglements and recovery from twists (*Motion picture*) U. S. Dept. of the Army, 1956.

PARAGUAY

Paraguay (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

PARALYSIS

Functional syndromes with pronounced physical symptoms (*Motion picture*) U. S. Public Health Service, 1958.

Journey back (*Motion picture*) U. S. Veterans Administration, 1949.

PARAPLEGIA

What's my score? (*Motion picture*) U. S. Veterans Administration, 1947. Made by U. S. Dept. of Agriculture.

PARASITES

see also Bacteriology; Fungi, Pathogenic; Insects, Injurious and beneficial; Worms, Intestinal and parasitic

Eggs and miracidia of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.

The life cycle of a malaria parasite (*Filmstrip*) U. S. Public Health Service, 1948.

—BLOOD see Blood—Parasites

—SWINE

Ascariasis (Infestation with ascarids) (*Motion picture*) U. S. Dept. of the Army, 1949.

PARATROOPS see Parachute troops

PARESIS see Paralysis

PARICUTÍN (VOLCANO)

Paricutin (*Motion picture*) U. S. Dept. of the Air Force, 1949.

PARLIAMENTARY PRACTICE

How to conduct a meeting (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

PAROL EVIDENCE see Evidence (Law)

PAROTID GLANDS

Parotid gland and facial nerve (*Motion picture*) U. S. Veterans Administration, 1957.

PARQUE NACIONAL DE NAHUEL HUAPÍ, ARGENTINE REPUBLIC

Patagonian playground (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PARTICLE ACCELERATORS

High energy particle accelerators (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Audio Productions.

PARTURITION see Childbirth; Labor (Obstetrics)

PASSIONS see Emotions

PASSPORTS

Passport issued (*Motion picture*) U. S. Information Agency, 1957. Made by Tangent Films. Released for public educational use in the United States through U. S. Office of Education.

To a foreign land (*Motion picture*) U. S. Dept. of the Air Force, 1960.

PASTEURIZATION OF MILK see Milk—Pasteurization

PASTURES

see also Grasses; Grazing

Comida abundante para todos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Extra feeding pays (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Grass (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Preventing wind erosion on the Great Plains: Range grazing practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Produza mais alimentos (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

PATENTS

see also Inventions

Patents and Air Force research and development (*Motion picture*) U. S. Dept. of the Air Force, 1955.

PATHOLOGICAL BOTANY see Plant diseases

PATHOLOGICAL HISTOLOGY see Histology, Pathological

PATHOLOGY, COMPARATIVE

Demonstration of Cushing's experiment in the dog (*Motion picture*) U. S. Dept. of the Army, 1949.

PATHOLOGY, DENTAL see Teeth—Diseases

PATHOLOGY, EXPERIMENTAL

Behavioral changes following paleocortical injury in rodents, carnivores, and primates (*Motion picture*) U. S. Dept. of the Army, 1953.

PATHS see Trails

PATIENTS see Sick

PATRIOTISM

see also Loyalty

Code of conduct. Article 1: Our heritage (*Motion picture*) U. S. Dept. of the Army, 1960.

Patriotism (*Motion picture*) U. S. Dept. of the Army, 1959.

PATTERN-MAKING

see also Laying-out (Machine-shop practice); Molding (Founding); Sheet-metal work—Pattern-making

Designing a pattern for a [illegible]er-cooled motor block (*Motion picture*) U. S. Office [illegible] Education, 1945. Made by Jam Handy Organization.

Designing a pattern for a water-cooled motor block (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Designing core boxes for a water-cooled motor block (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Designing core boxes for a water-cooled motor block (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Étude d'un modèle pour un bloc de moteur refroidi a l'eau (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle avec un noyau à renflement (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle avec un noyau horizontal (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle avec un noyau vertical (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle avec une portée à talon (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle, de boîtes à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle exigeant la construction d'un châssis (*Motion picture*) U. S. Office of Education, 1955

Fabrication d'un modèle exigeant la construction segmentaire (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle plat d'une pièce (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle pour un coude de tuyau à brides (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle pour un moule en trois parties (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle segmenté (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'une boîte à noyaux pour un coude de tuyau à brides (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'une boîte à noyaux pour un noyau vertical (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'une boîte à noyaux pour une base de machine (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'une boîte à noyaux pour une portée à talon (*Motion picture*) U. S. Office of Education, 1955.

Fabrication d'une plaque-modèle (*Motion picture*) U. S. Office of Education, 1955.

Fabrication du modèle d'une soupape sphérique d'équerre en acier, moulée mécaniquement (*Motion picture*) U. S. Office of Education, 1955.

Making a core box for a flanged pipe elbow (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a core box for a flanged pipe elbow (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a core box for a machine base (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a core box for a machine base (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a core box for a tail print (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a core box for a tail print (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a core box for a vertical core (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a core box for a vertical core (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a matchboard pattern (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a matchboard pattern (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a one-piece flat pattern (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a one-piece flat pattern (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a pattern for a flanged pipe elbow (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern for a flanged pipe elbow (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern for a machine molded steel globe and angle valve (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern for a machine molded steel globe and angle valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern for a three-part mold (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern for a three-part mold (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern requiring box construction (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern requiring box construction (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern requiring cover core (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern requiring cover core (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern requiring segmental construction (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern requiring segmental construction (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern using a green and a dry sand core (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern using a green and a dry sand core (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making a pattern with a horizontal core (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern with a horizontal core (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern with a tail print (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a pattern with a tail print (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Making a pattern with a vertical core (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a pattern with a vertical core (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a segmented pattern (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making a segmented pattern (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

Making pattern, core boxes, and assembling cores for a water-cooled motor block (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Making pattern, core boxes, and assembling cores for a water-cooled motor block (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Redesigning a pattern for production purposes (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Redesigning a pattern for production purposes (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Reprise de l'étude d'un modèle pour fin de production en série (*Motion picture*) U. S. Office of Education, 1955.

PAVEMENTS

see also Air bases—Runways; Airports—Runways

The construction of a portland-cement concrete airfield pavement (*Motion picture*) U. S. Army Engineers, 1955.

PAVEMENTS, ASPHALT

Airfield flexible pavement (*Motion picture*) U. S. Army Engineers, 1955.

PAVEMENTS, CONCRETE

Better dummy joints (*Motion picture*) U. S. Army Engineers, 1956.

Bonded thin concrete resurfacing (*Motion picture*) U. S. Dept. of the Air Force, 1957.

PEACE

see also Security, International

Road to peace (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Bill Sturm Studios. Released for public educational use through U. S. Office of Education, 1952.

PEACH

Freezing strawberries and peaches (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

It's a peach (*Motion picture*) U. S. Dept. of Agriculture, 1952.

PEAR

Good things come in pears (*Motion picture*) U. S. Dept. of Agriculture, 1952.

PEARL HARBOR, ATTACK ON, 1941

The Air Force story: The air war starts, 1939–1941 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

PEDIATRIC NURSING

Target: babies and children (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

PEDOLOGY (CHILD STUDY) see Child study

PELORUS

The azimuth circle and pelorus (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

PENMANSHIP

Clear handwriting (*Motion picture*) U. S. Veterans Administration, 1960.

PERCEPTION

see also Space-perception

Demonstrations in perception (*Motion picture*) U. S. Dept. of the Navy, 1951.

PERICARDITIS

Early pericardiectomy in tuberculous pericarditis (*Motion picture*) U. S. Veterans Administration, 1957.

Pericardiectomy for chronic constrictive pericarditis (*Motion picture*) U. S. Veterans Administration, 1957.

PERICARDIUM

—FOREIGN BODIES

Foreign bodies in the pericardium and heart (*Motion picture*) U. S. War Dept., 1946.

—SURGERY

Early pericardiectomy in tuberculous pericarditis (*Motion picture*) U. S. Veterans Administration, 1957.

PERIODICAL CICADA

Cicada (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

The cicada (*Motion picture*) U. S. Dept. of Agriculture, 1953.

PERIPHERAL VASCULAR DISEASES

Color changes and skin lesions in peripheral vascular diseases (*Motion picture*) U. S. Veterans Administration, 1961.

PERITONEUM

--RADIOGRAPHY

Presacral pneumonography (*Motion picture*) U. S. Dept. of the Army, 1954.

PERSEVERANCE (ETHICS)

Perseverance (*Motion picture*) U. S. Dept. of the Army, 1959.

PERSHING, JOHN JOSEPH, 1860-1948

General Pershing (*Motion picture*) U. S. Dept. of Defense, 1948.

John J. Pershing (*Motion picture*) U. S. Dept. of Defense, 19[illegible].

PERSIA see Iran

PERSONAL HYGIENE see Hygiene

PERSONAL LIBERTY see Liberty

PERSONALITY, DISORDERS OF

The difficult ones. Part 1: Psychiatric problems met by the contact representative (*Filmstrip*) U. S. Veterans Administration, 1946.

The difficult ones. Part 2: Their effect on the contact representatives (*Filmstrip*) U. S. Veterans Administration, 1946.

The difficult ones. Part 3: Getting help for the veterans with emotional problems (*Filmstrip*) U. S. Veterans Administration, 1946.

Your job and the psychiatric patient. Part 1: The psychiatric patient (*Filmstrip*) U. S. Veterans Administration, 1947.

Your job and the psychiatric patient. Part 2: How the patient may affect the attendant (*Filmstrip*) U. S. Veterans Administration, 1947.

Your job and the psychiatric patient. Part 3: The attendant helps the patient (*Filmstrip*) U. S. Veterans Administration, 1947.

PERSONNEL ADMINISTRATION see Personnel management

PERSONNEL CLASSIFICATION see Job analysis

PERSONNEL MANAGEMENT

see also Employees, Training of; Foremen; Interviewing; Job analysis; Suggestion systems; Supervision of employees

Buenas condiciónes en el trabajo (*Motion picture*) U. S. Office of Education [1959?]

Developing cooperation (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

Discipline: Giving orders (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

Discipline: Reprimanding (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

Employing blind workers in industry (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

Every minute counts (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

Instructing the blind worker on the job (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

Instructing the worker on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Introducing the new worker to his job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

The job breakdown (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

Kinda give it your personal attention (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

Maintaining good working conditions (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

Maintaining quality standards (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

A new supervisor takes a look at his job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Placing the right man on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Relaciones entre supervisores (*Motion picture*) U. S. Office of Education [1959?]

Stop, look, and question (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

The supervisor as a leader, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Teamwork and you (*Motion picture*) U. S. Dept. of Defense, 1950.

Working with other supervisors (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

PERU

Peru (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Peru's coastal region (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PESTICIDES

see also Insecticides; Rodenticides

--TOXICOLOGY

Health hazards of pesticides (*Motion picture*) U. S. Public Health Service, 1958.

PETROLEUM

California and its natural resources (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.

Lubrication (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.

Wyoming and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

—STORAGE

Conversion from black oil to Diesel fuel: Navy improved method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

Conversion from black oil to gasoline: Navy chemical method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

Maintenance tank cleaning: Butterworth method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

Petroleum supply point operations (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

PETROLEUM INDUSTRY AND TRADE

The evolution of the oil industry (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1952.

—SAFETY MEASURES

Petroleum supply point operations (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

PHILANTHROPY see Social service

PHILIPPINE ISLANDS

Philippine Islands (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

The Philippines (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

PHILIPPINE SEA, BATTLES OF THE, 1944

The Battle of Leyte (*Motion picture*) U. S. Dept. of the Army, 1951.

PHOTOCOPY see Blue-prints

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC SENSITOMETRY

Light-sensitive materials (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

PHOTOGRAPHIC SURVEYING

Topographic mapping by photogrammetric methods (*Motion picture*) U. S. Geological Survey, 1957.

PHOTOGRAPHY

see also Cameras; Lenses, Photographic

Analysis of the effect of focal plane shutter on photographs recorded with the NACA high-speed camera (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

Farm photography (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

—APPARATUS AND SUPPLIES

The basic camera (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—DEVELOPING AND DEVELOPERS

Developing the negative (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

Light-sensitive materials (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

Printing the positive (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—EXHIBITIONS

The family of man (*Motion picture*) U. S. Information Agency, 1955. Released for public educational use in the United States through U. S. Office of Education, 1955.

—LIGHTING

Elementary optics in photography (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—NEGATIVES

Negative scribing (*Motion picture*) U. S. Geological Survey, 1953.

—PORTRAITS—LIGHTING AND POSING

Basic portraiture lighting (*Motion picture*) U. S. Dept. of the Air Force, 1951. Released for public educational use through U. S. Office of Education, 1951.

—PRINTING PROCESSES

Printing the positive (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—SCIENTIFIC APPLICATIONS

see also Radiography

Navy photography in science (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes.

PHOTOGRAPHY, AERIAL

Fighter photo, eyes of the fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

Multiplex mapping, part 2 (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public education use, 1956.

PHOTOGRAPHY, ARTISTIC

The photographer (*Motion picture*) U. S. Dept. of State, 1948. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

PHOTOGRAPHY, BALLISTIC

Care and operation of gun cameras (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

PHOTOGRAPHY, MILITARY

Navy photography in intelligence (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1948.

Photography in the USAF: Scientific photography at the Air Force Flight Test Center (*Motion picture*) U. S. Dept. of the Air Force, 1963.

Role of the combat cameraman (*Motion picture*) U. S. Dept. of Defense, 1952.

PHOTOTOPOGRAPHY see Photographic surveying

PHTHISIS see Tuberculosis

PHYSICAL CAPACITY see Physical fitness —Testing

PHYSICAL EDUCATION FOR WOMEN

Physical fitness for Waves: Make-up from the neck down (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

PHYSICAL FITNESS

—TESTING

Experimental diving unit: Evaluation of physical fitness by one step-up test (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Navy standard physical fitness test (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use through U. S. Office of Education, 1948.

PHYSICAL MEASUREMENTS

see also Electric measurements

Understanding the physical world through measurement (*Motion picture*) U. S. National Bureau of Standards, 1957.

PHYSICAL THERAPY

see also Hydrotherapy; Massage; Occupational therapy; Thermotherapy; X-rays —Therapeutic use

Hospital zone: Men at work (*Filmstrip*) U. S. Veterans Administration, 1948.

Resistive exercises in physical therapy for thoracoplasty (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

Therapeutic exercise: Introduction (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

Therapeutic exercise: Orthopedics (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

PHYSICALLY HANDICAPPED

see also Amputees; Blind; Crutches; Deaf

—REHABILITATION

see also Occupational therapy

Journey back (*Motion picture*) U. S. Veterans Administration, 1949.

A new beginning (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

Prescription for work (*Motion picture*) U. S. Veterans Administration, 1949.

Who's handicapped (*Motion picture*) U. S. Dept. of the Air Force, 1957.

PHYSICIANS

see also Medicine as a profession

The doctor (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

PHYSICS, NUCLEAR see Nuclear physics

PHYSIOLOGICAL ASPECTS OF SUBMARINE DIVING see Diving, Submarine—Physiological aspects

PHYSIOLOGICAL DATA TRANSMISSION see Telemeter (Physiological apparatus)

PHYSIOLOGY

see also Body temperature; Bones; Digestion; Lymphatics; Metabolism; Muscles; Nervous system; Nutrition; Pregnancy; Reproduction; Respiration

The body, part 1 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

The body, part 2 (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

PHYSIOLOGY, COMPARATIVE

see also Laboratory animals; Veterinary physiology

General adaptation syndrome (*Motion picture*) U. S. Dept. of the Army, 1951.

PHYSIOLOGY OF FLIGHT see Flight —Physiological aspects

PHYSIOTHERAPY see Physical therapy

PICKLING see Canning and preserving

PICNIC GROUNDS

Woodland manners (*Motion picture*) U. S. Dept. of Agriculture, 1952.

PICTORIAL PHOTOGRAPHY see Photography, Artistic

PICTURE GALLERIES see Art—Galleries and museums

PICTURE POSTERS see Posters

PIERS

Advance base waterfront construction: Timber piers (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by International Movie Producers' Service. Released for public educational use through U. S. Office of Education, 1954.

PIG PENS see Swine houses and equipment

PIGS see Swine

PILING (CIVIL ENGINEERING)

Pile testing (*Motion picture*) U. S. Army Engineers, 1958.

PILOT CHARTS see Nautical charts

PILOT EJECTION SEATS

F-100 escape and survival system (*Motion picture*) U. S. Dept. of the Air Force, 1960.

PILOTLESS AIRCRAFT see Guided missiles

PILOTS AND PILOTAGE

see also Navigation

Day's work of a navigator in pilot waters (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

Test (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

PINCHOT, GIFFORD, 1865-1946

The greatest good (*Motion picture*) U. S. Dept. of Agriculture, 1950.

PINE

see also Longleaf pine

Southern pines pay (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

PINEAPPLE

Agricultural engineering—the profession with a future (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.

PINTA

Pinta (*Motion picture*) U. S. Dept. of the Army, 1948.

PIONEER LIFE see Frontier and pioneer life

PIPE-FITTING

see also Marine pipe-fitting, Plumbing

Cutting and threading pipe by hand (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Cutting and threading pipe by hand (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Cutting and threading pipe on a power machine (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Cutting and threading pipe on a power machine (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Installing valves in engine room systems, part 1 (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing valves in engine room systems, part 1 (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing valves in engine room systems, part 2 (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing valves in engine room systems, part 2 (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing vitreous fixtures (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Installing vitreous fixtures (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Laying out and installing hangers (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Laying out and installing hangers (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Making a cold bend on a hand powered machine (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Making a cold bend on a hand powered machine (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Making a hot bend (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Making a hot bend (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

Making a wire template (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Making a wire template (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Measuring pipe, tubing, and fittings (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Measuring pipe, tubing, and fittings (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

Pipe fabrication with jigs (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Pipe fabrication with jigs (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

Removing a section of piping aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

PIPE-FITTING, MARINE see Marine pipe-fitting

PIPE LINES

Alaska pipeline (*Motion picture*) U. S. Army Engineers, 1956.

Laying pipelines (*Motion picture*) U. S. Dept. of the Army, 1954.

Military pipeline system: CBI theater (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Operation and maintenance of pipeline systems (*Motion picture*) U. S. Dept. of the Army, 1954.

PIPE THREADS see Screw-threads

PIPETTES

Chemical techniques: Basic techniques of pipetting (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Blow-out pipets (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Pipettors (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Special pipets (*Motion picture*) U. S. Dept. of the Navy, 1955.

Chemical techniques: Transfer pipets (*Motion picture*) U. S. Dept. of the Navy, 1955.

The pipette (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

PISTONS

Application of Pascal's law, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

Benchwork, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Cylinder head and piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Inspecting and reconditioning piston assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning piston assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspection of piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Installation of liner and piston (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Liner and piston (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Piston and liner removal (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Pistons and rods (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Reassembly of piston (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Removal of pistons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Replacement of pistons (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

PITTSBURGH. UNIVERSITY

Tower of learning (*Motion picture*) U. S. Information Agency, 1952. Made by Herbert Kerkow, inc. Released for educational use in the United States through U. S. Office of Education, 1953.

PLACENTA PREVIA see Labor, Complicated

PLAGUE

Plague control (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Plague in sylvatic areas (*Motion picture*) U. S. Public Health Service, 1961.

PLANING HULLS

Hydrofoil craft: Principles and representative experimental craft (*Motion picture*) U. S. Dept. of the Navy, 1956.

PLANING-MACHINES

see also Jointer (Woodworking machine); Shapers

Cepillado de una superficie plana (*Motion picture*) U. S. Office of Education, 1950?,

Planers (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Planing a dovetail slide (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Planing a dovetail slide (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Planing a flat surface (*Motion picture*) U. S. Office of Education, 1945. Made by Harfilms.

Planing a flat surface (*Filmstrip*) U. S. Office of Education, 1945. Made by Harfilms.

Planing rough surfaces to dimensions (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Planing rough surfaces to dimensions (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Rabotage de surfaces rugueuses à certaines dimensions (*Motion picture*) U. S. Office of Education, 1951.

PLANS see Maps

PLANT DISEASES

see also Fungi in agriculture; Insects as carriers of plant diseases; Rusts (Fungi)

The hidden menace (*Motion picture*) U. S. Dept. of Agriculture, 1958.

The nature of plant diseases (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of West Virginia University, 1939.

PLANTING see Gardening, Landscape gardening, Tree planting

PLASTER CASTS

Casts and molds (*Filmstrip*) U. S. Dept. of the Army, 1955.

PLASTER CASTS, SURGICAL

Plaster casts (*Motion picture*) U. S. War Dept., 1945.

PLASTIC SURGERY see Surgery, Plastic

PLASTICS

see also Gums and resins; Reinforced plastics; Rubber, Artificial

Compression molding. Part 1: Preparing the charge and loading the mold (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Compression molding. Part 1: Preparing the charge and loading the mold (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Compression molding. Part 2: Molding a simple part (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Compression molding. Part 2: Molding a simple part (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Finishing molded parts (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Finishing molded parts (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Injection molding. Part 1: Setting up the press and molding a part (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Injection molding. Part 1: Setting up the press and molding a part (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Injection molding. Part 2: Cleaning and servicing the press (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Injection molding. Part 2: Cleaning and servicing the press (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Machining laminated plastics (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Machining laminated plastics (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Origin and synthesis of plastics materials (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Origin and synthesis of plastics materials (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Semiautomatic and hand molding of intricate parts (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Semiautomatic and hand molding of intricate parts (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

Transfer molding: Molding a part with inserts (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Transfer molding: Molding a part with inserts (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

—MOLDING

Methods of processing plastics materials (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Methods of processing plastics materials (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

PLAY

see also Hobbies; Recreation; Sports

Children in kitchens (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the Women's College and the Agricultural Experiment Station of the University of North Carolina. Released by the U. S. Dept. of Agriculture, 1958.

PLEURA

—DISEASES

Hemothorax with a consideration for specific remedial breathing exercises (*Motion picture*) U. S. War Dept., 1946.

PLEURISY

Decortication in the treatment of tuberculous pleuritis (*Motion picture*) U. S. Dept. of the Army, 1952.

PLIERS

Pliers and screw drivers (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

PLOEȘTI, RUMANIA

Air siege (*Motion picture*) U. S. Dept. of the Air Force, 1947.

PLOWS

Fire plow performance and use (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Reconditioning a two-bottom tractor plow (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

Reconditioning a two-bottom tractor plow (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

PLUMBING

see also Pipe-fitting; Sanitary engineering; Sanitation, Household; Solder and soldering; Water-pipes

An introduction to backsiphonage and cross connections (*Filmstrip*) U. S. Public Health Service, 1957.

—TESTING

Inspection of plumbing and piping (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of plumbing and piping (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Towards a uniform plumbing code (*Motion picture*) U. S. Housing and Home Finance Agency, 1948. Made by U. S. Dept. of Agriculture.

PLUTONIUM

Fabrication of plutonium disks (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Plutonium fuel fabrication, EBR-1, Mark 4 (*Motion picture*) U. S. Atomic Energy Commission, 1961.

Plutonium fuel fabrication for MTR (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.

Plutonium metal preparation (*Motion picture*) U. S. Atomic Energy Commission, 1958.

PLYWOOD

Building a box beam spar (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Building a box beam spar (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Building a wooden rib (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

Building a wooden rib (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Laying out and forming plywood (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Laying out and forming plywood (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Patching plywood (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Patching plywood (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Wing assembly: The bow tip (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The bow tip (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The inboard panel (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The inboard panel (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The nose section (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The nose section (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

PNEUMOMASSAGE see Massage

PNEUMONIA

Eaton agent pneumonia (*Motion picture*) U. S. Public Health Service, 1961. Made by Communicable Disease Center.

POINT FOUR PROGRAM see Technical assistance, American

POINTS OF THE COMPASS see Cardinal points

POISON GAS see Gases, Asphyxiating and poisonous

POISONS

see also Rodenticides

Poison in the house (*Motion picture*) U. S. Dept. of the Army, 1961.

POISONS, ECONOMIC see Pesticides

POLAR REGIONS

see also Antarctic regions; Arctic regions

Survival on the ice cap (*Motion picture*) U. S. Dept. of the Air Force, 1955.

POLARIS (MISSILE)

Man and the FBM (*Motion picture*) U. S. Dept. of the Navy, 1960.

Polaris, Blue and Gold (*Motion picture*) U. S. Dept. of the Navy, 1962.

Silent sentinel (*Motion picture*) U. S. Dept. of the Navy, 1959.

POLE-STAR

Latitude by Polaris (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

POLISHING see Grinding and polishing

POLITICAL REFUGEES see Refugees, Political

POLLUTION OF WATER see Water—Pollution

PONDS, FARM see Farm ponds

POOL REACTORS see Swimming pool reactors

POPILLIA JAPONICA see Japanese beetle

PORK

Curing pork country style (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Pork on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1940.

PORTAL VEIN

—RADIOGRAPHY

Splenoportography (*Motion picture*) U. S. Dept. of the Army, 1961.

PORTO RICO see Puerto Rico

PORTUGAL

Introducing Portugal (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

Portugal (*Motion picture*) U. S. Dept. of Defense, 1962. Made by U. S. Dept. of the Army.

POSITIVE AND NEGATIVE NUMBERS see Signed numbers

POST-MORTEM EXAMINATIONS see Autopsy

POSTAL SERVICE

see also Highway post offices; Railway mail service

Pigeon holes and progress (*Motion picture*) U. S. Post Office Dept., 1953. Made by Vogue Wright.

—EMPLOYEES

Five keys (*Motion picture*) U. S. Post Office Dept., 1956. Made by Byron, inc.

Window clerk meets the public (*Motion picture*) U. S. Post Office Dept., 1954. Made by U. S. Dept. of Agriculture.

POSTAL TELEGRAPH see Telegraph

POSTERS

Posters teach nutrition around the world (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

POSTOPERATIVE CARE

Basic care of patients: Part 9: Postoperative care (*Motion picture*) U. S. Dept. of the Army, 1957.

POSTURE

Image in the mirror (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

POTATO FLAKES

Beltsville newsreel, no. 13 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

POTATOES

Potatoes are appealing (*Motion picture*) U. S. Dept. of Agriculture, 1962.

POTENTIAL, ELECTRIC see Electric currents

POTOMAC RIVER NAVAL COMMAND see U. S. Navy. Potomac River Naval Command

POTTERY

Made in occupied Japan (*Motion picture*) U. S. Dept. of the Army, 1949.

POULTRY

see also Broilers (Poultry); Cookery (Poultry); Eggs—Production; Turkeys

Cull for profit (*Motion picture*) U. S. Dept. of Agriculture in cooperation with Texas Agricultural Extension Service, 1951.

Quality assurance for quantity buyers of poultry and eggs (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Today's chicks (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Transplanting hen's ova (*Motion picture*) U. S. Dept. of Agriculture, 1948.

—GRADING

U. S. standards for quality of ready-to-cook poultry (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

POULTRY, DRESSING OF

Canning chicken (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Poultry hygiene: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1956.

Poultry hygiene: Refrigeration (*Filmstrip*) U. S. Public Health Service, 1956.

POULTRY BREEDING

Magic chicken (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Selecting hens for egg production (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Selecting hens for egg production (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

POULTRY INDUSTRY

The American broiler-fryer—modern food miracle (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Public health aspects of poultry processing (*Motion picture*) U. S. Public Health Service, 1958.

POULTRY PLANTS

Poultry hygiene: Plant layout and construction (*Filmstrip*) U. S. Public Health Service, 1956.

—SANITATION

Poultry hygiene: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1956.

Poultry hygiene: Plant layout and construction (*Filmstrip*) U. S. Public Health Service, 1956.

Poultry hygiene: Refrigeration (*Filmstrip*) U. S. Public Health Service, 1956.

Poultry hygiene: Waste disposal, clean-up, and basic sanitation (*Filmstrip*) U. S. Public Health Service, 1956.

Poultry processing inspection (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Public health aspects of poultry processing (*Motion picture*) U. S. Public Health Service, 1958.

POWDER METALLURGY

see also Heat resistant alloys

Powder metallurgy. Part 1: Principles and uses (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Powder metallurgy. Part 2: Manufacture of porous bronze bearings (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

POWDERED EGGS see Eggs, Dried

POWDERED MILK see Milk, Dried

POWELLIZED TIMBER see Wood—Preservation

POWER (MECHANICS)

see also Electric power; Machinery; Power transmission; Steam

Understanding the physical world through measurement (*Motion picture*) U. S. National Bureau of Standards, 1957.

POWER-BOATS see Motor-boats

POWER DISTRIBUTION, ELECTRIC see Electric power distribution

POWER FARMING see Farm mechanization

POWER-PLANTS, STEAM see Steam-power plants

POWER TRANSMISSION

see also Cables; Electric power distribution; Gearing; Machinery; Oil hydraulic machinery; Pulleys

Ships' propulsion transmission system: Clutches and couplings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

PRACTICAL NURSING

Enemas (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNANCY

see also Labor (Obstetrics)

Como cuidar da criança (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Conselhos para as mães (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Cuidado de la madre (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

El cuidado del niño (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Infant care (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Wise parents, healthy babies (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

PREHISTORIC MAN see Man, Prehistoric

PREJUDICES AND ANTIPATHIES

With malice toward some (*Motion picture*) U. S. Dept. of the Army, 1957.

PRESERVATION OF HISTORICAL RECORDS see Archives

PRESERVING see Canning and preserving

PRESIDENTS

—ELECTION

American history I, lecture 9: Growing national unity is checked by sectional differences (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 14: The slavery issue leads to Southern secession (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 19: The farmer increases production but suffers hard times (*Motion picture*) U. S. Dept. of Defense, 1956.

Presidential conventions (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

Tuesday in November (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

PRESS CENSORSHIP see Liberty of the press

PRESSES, HYDRAULIC see Hydraulic presses

PRESSURE-GAGES

Pressure gages (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

PRESSURE SUITS

"G" facts (*Motion picture*) U. S. Dept. of the Air Force, 1954.

PRESSURIZED CABINS (AIRCRAFT) see Aeroplanes—Pressurization

PREVENTION OF ACCIDENTS see Accidents—Prevention

PREVENTIVE INOCULATION see subdivision Preventive inoculation under certain diseases, e.g. Rabies

PREVENTIVE MEDICINE see Medicine, Preventive

PRIMARY BATTERIES see Electric batteries

PRINT SHOPS see Printing plants

PRINTED CIRCUITS

Printed circuits and their repair (*Motion picture*) U. S. Dept. of the Air Force, 1961.

PRINTING PLANTS

A plant health program (*Filmstrip*) U. S. Public Health Service, 1955.

PRISMS (OPHTHALMOLOGY)

Optical inspection methods, part 2 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

PRISONERS OF WAR

see also Concentration camps

Code of conduct. Article 3: To resist (*Motion picture*) U. S. Dept. of the Army, 1959.

Code of conduct. Article 4: Keep faith (*Motion picture*) U. S. Dept. of the Army, 1959.

Code of conduct. Article 5: My responsibilities (*Motion picture*) U. S. Dept. of the Army, 1959.

Code of the fighting man (*Motion picture*) U. S. Dept. of the Army, 1959.

The Code: The U. S. fighting man's Code of conduct (*Motion picture*) U. S. Dept. of Defense, 1959.

Resist (*Motion picture*) U. S. Dept. of the Army, 1959.

PRIVATE AEROPLANES see Aeroplanes, Private

PRIVIES

Constructing a sanitary pit privy (*Motion picture*) U. S. Public Health Service, 1949.

Constructing a sanitary pit privy (*Filmstrip*) U. S. Public Health Service, 1949.

PROBABILITIES

see also Reliability (Engineering)

Reliability engineering: Reliability testing (*Motion picture*) U. S. Dept. of the Navy, 1961.

Reliability: Statistical concepts (*Motion picture*) U. S. Dept. of the Navy, 1961.

PRODUCE TRADE

see also Farm produce; Food prices; Food supply; Surplus agricultural commodities

Agricultural lifelines (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Better markets—a matching fund success story (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Food costs (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

Food is a bargain (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

Maintaining high level agricultural exports (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

Marketing farm products abroad (*Motion picture*) U. S. Dept. of Agriculture, 1957.

PRODUCTS OF INERTIA see Moments of inertia

PROGRESSIVISM (U. S. POLITICS)

American history II, lecture 15: American politics, 1900–1920; the progressive movement (*Motion picture*) U. S. Dept. of Defense, 1956.

PROJECT ENGINES (AEROPLANES) see Aeroplanes—Turbine-propeller engines

PROJECT S N A P

Atoms for space (*Motion picture*) Atomic Energy Commission, 1962.

Nuclear reactors for space (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1961.

Our nearest star (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by Martin Co.

Snap-3 operational tests (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by Martin Co.

PROJECT VANGUARD

Vanguard I (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

PROJECTILES, SELF-PROPELLED see Rockets (Ordnance)

PROPAGANDA, COMMUNIST

Communist propaganda (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Dept. of the Air Force.

PROPAGANDA, RUSSIAN

The challenge of ideas (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

Communist propaganda (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Dept. of the Air Force.

PROPELLERS

Fitting tube, shaft, and propeller (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Fitting tube, shaft, and propeller (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Running a temporary line (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Running a temporary line (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Steering (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

PROPELLERS, AERIAL

see also Aeroplanes—Turbine-propeller engines

Curtiss electric propeller disassembly. Part 1: Power unit (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Curtiss electric propeller disassembly. Part 2: Hub and blades (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

General principles of the propeller (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Ground adjustable propellers (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Servicing a propeller (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Servicing a propeller (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Story of the aircraft propeller (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

PROSPECTING

—GEOPHYSICAL METHODS

The airborne magnetometer (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

PROSTATE GLAND

—SURGERY

Modified retropubic prostatectomy (*Motion picture*) U. S. Veterans Administration, 1955.

PROSTHESIS

see also Artificial limbs; Jaws, Artificial; Teeth, Artificial

Biceps cineplastic technique (*Motion picture*) U. S. Navy Dept., 1961.

The cineplastic operation (*Motion picture*) U. S. Dept. of the Army, 1947.

Radical resection of the maxilla with early prosthetic restoration (*Motion picture*) U. S. Veterans Administration, 1955.

Resection of mandible for ameloblastoma (*Motion picture*) U. S. Veterans Administration, 1955.

PROTECTION OF BIRDS see Birds, Protection of

PROTECTION OF GAME see Game protection

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

see also Corrosion and anti-corrosives; Gums and resins

Packaging and packing: Method III (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, method I, preservative coating (with greaseproof wrap as required) (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, submethod IA–1, conforming wrap, dipcoat sealed (*Filmstrip*) U. S. Dept. of the Army, 1959.

Volatile corrosion inhibitors (*Filmstrip*) U. S. Dept. of the Army, 1960.

PROTRACTORS

The bevel protractor (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

The bevel protractor (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

PRUNE

Prunes are swell (*Motion picture*) U. S. Dept. of Agriculture, 1952.

PSYCHIATRIC NURSING

The n. p. patient (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

Ward care of psychotic patients (*Motion picture*) U. S. War Dept., 1945.

Your job and the psychiatric patient. Part 1: The psychiatric patient (*Filmstrip*) U. S. Veterans Administration, 1947.

Your job and the psychiatric patient. Part 2: How the patient may affect the attendant (*Filmstrip*) U. S. Veterans Administration, 1947.

Your job and the psychiatric patient. Part 3: The attendant helps the patient (*Filmstrip*) U. S. Veterans Administration, 1947.

PSYCHIATRY

see also Child psychiatry; Group psychotherapy; Mental hygiene; Mental illness; Psychotherapy

A positive approach to the psychiatric patient (*Motion picture*) U. S. Veterans Administration, 1955. Made by U. S. Dept. of Agriculture.

—CASES, CLINICAL REPORTS, STATISTICS

Journey to reality (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

PSYCHIATRY, MILITARY

Assignment home (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Universal Pictures Co. Released for public educational use through U. S. Office of Education, 1948.

Combat psychiatry: The battalion medical officer (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.

Combat psychiatry: The division psychiatrist (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.

Insomnia (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

Shades of gray (*Motion picture*) U. S. Dept. of the Army, 1948.

PSYCHOLOGICAL WARFARE

Defense against enemy propaganda (*Motion picture*) U. S. Dept. of the Army, 1957.

Introduction to psychological warfare (*Motion picture*) U. S. Dept. of the Army, 1956.

PSYCHOLOGY, CHILD see Child study

PSYCHOLOGY, MILITARY

see also Morale

Introduction to combat fatigue: Doctor's version (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

Introduction to combat fatigue: Patient's version (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

It's up to you (*Motion picture*) U. S. Dept. of the Army, 1955.

PSYCHOLOGY OF LEARNING see Learning, Psychology of

PSYCHOTHERAPY

see also Group psychotherapy

An approach to understanding dynamics (*Motion picture*) U. S. Veterans Administration, 1960.

A clinical picture of anxiety hysteria (*Motion picture*) U. S. Veterans Administration, 1952.

A clinical picture of claustrophobia (*Motion picture*) U. S. Veterans Administration, 1952.

Non-verbal communication (*Motion picture*) U. S. Veterans Administration, 1952.

Psychotherapeutic interviewing: Introduction (*Motion picture*) U. S. Veterans Administration, 1950.

Psychotherapeutic interviewing: Method of procedure (*Motion picture*) U. S. Veterans Administration, 1950.

PUBLIC CONTRACTS

see also Defense contracts

Small business and the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1952.

PUBLIC FORUMS see Forums (Discussion and debate)

PUBLIC HEALTH see Hygiene, Public

PUBLIC HEALTH LABORATORIES

GS-1 meets the laboratory (*Filmstrip*) U. S. Public Health Service, 1952.

Handling and use of glassware (*Filmstrip*) U. S. Public Health Service, 1952.

PUBLIC HEALTH NURSING

Anyone for nursing? (*Motion picture*) U. S. Public Health Service, 1957.

The nurse—epidemiologist (*Filmstrip*) U. S. Public Health Service, 1950.

PUBLIC HYGIENE see Hygiene, Public

PUBLIC LIBRARIES see Libraries

PUBLIC NOTICE see Legal advertising

PUBLIC SPEAKING see Oratory

PUEBLA, MEXICO (CITY)

A town in old Mexico (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PUERTO RICO

Puerto Rico (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

PULLEYS

Rigging blocks (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Rigging blocks (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

PULLORUM DISEASE

Today's chicks (*Motion picture*) U. S. Dept. of Agriculture, 1950.

PULMONARY TUBERCULOSIS see Tuberculosis

PULSE

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

PULSE GENERATORS see Oscillators, Electric

PUMAS

Hunting the puma (*Motion picture*) U. S. Fish and Wildlife Service, 1956.

PUMPING MACHINERY

see also Fuel pumps; Injectors; Oil hydraulic machinery; Taps and dies

Aircraft engine pumps (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

Denison hydraulic pumps and motors, disassembly and reassembly (*Motion picture*) U. S. Dept. of the Navy, 1961.

Reciprocating pump opening for inspection (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Reciprocating pump opening for inspection (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Ship's pumps (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

PUMPING STATIONS

Installation of pumping stations (*Motion picture*) U. S. Dept. of the Army, 1954.

PURE FOOD see Food adulteration and inspection

PURIFICATION OF WATER see Water —Purification

PURSUIT PLANES see Fighter planes

PWINBYU see Witchweed

PYTHAGOREAN PROPOSITION

Beginning algebra II, lecture 12: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.

Q

Q FEVER

Q (query) fever (*Filmstrip*) U. S. Public Health Service, 1950.

QUADRATIC EQUATIONS see Equations, Quadratic

QUALITY CONTROL

The industry-Army quality assurance program (*Motion picture*) U. S. Dept. of the Army, 1960.

Quality control (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Quartermaster quality control for clothing and textile items (*Motion picture*) U. S. Dept. of the Army, 1960.

Quartermaster quality control for general supplies (*Motion picture*) U. S. Dept. of the Army, 1959.

Quartermaster quality control for subsistence items (*Motion picture*) U. S. Dept. of the Army, 1960.

QUARANTINE

see also Communicable diseases

Aircraft quarantine (*Motion picture*) U. S. Public Health Service, 1947.

QUARANTINE, VETERINARY

Outbreak (*Motion picture*) U. S. Dept. of Agriculture, 1949.

QUARTZ

Brazilian quartz goes to war (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

QUARTZ CRYSTALS

From an art to a science (*Motion picture*) U. S. Dept. of the Army, 1962.

QUESTIONING

Suspects and witnesses. Part 3: Interrogating suspects (*Motion picture*) U. S. Dept. of the Army, 1957.

R

R E A see U.S. Rural Electrification Administration

R O T C see U.S. Army. Reserve Officers' Training Corps

RABBITS

Rabbit raising (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

Respiratory reflexes demonstrated in the rabbit (*Motion picture*) U. S. Dept. of the Army, 1949.

RABIES

see also Venom—Physiological effect

Laboratory diagnosis of rabies (*Motion picture*) U. S. Public Health Service, 1952.

Laboratory diagnosis of rabies (*Filmstrip*) U. S. Public Health Service, 1948.

Rabies control in the community (*Motion picture*) U. S. Public Health Service, 1956.

—DIAGNOSIS

Laboratory diagnosis of rabies in animals (*Motion picture*) U. S. Public Health Service, 1961.

—PREVENTIVE INOCULATION

The fight against rabies (*Filmstrip*) U. S. Public Health Service, 1947.

RACE PROBLEMS

see also Acculturation; Discrimination; Intercultural education; Minorities

Don't be a sucker (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.

RACING

I & E sportsreel, no. 239 (*Motion picture*) U. S. Dept. of Defense, 1959.

RADAR

see also Tracking radar

Aleutian manning (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Eyes of the storm (*Motion picture*) U. S. Dept. of the Air Force, 1949.

RADAR ISLANDS see Artificial islands

RADAR METEROLOGY

Radar eyes the weather. Part A: Fundamentals of radar meteorology (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Radar eyes the weather. Part B: Analysis of severe weather (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Radar refraction and weather: Airborne early warning and control (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Radar refraction and weather: The radar coverage problem (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Radar refraction and weather: The radar weather problem (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Radar refraction and weather: Why the weather? (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Weather and radar (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1954.

RADIAL NERVES see Nerves, Radial

RADIATION

see also Gamma rays; Geiger-Müller counters; Radioactivity; Sound; X-rays

Fundamentals of radiac instruments (*Motion picture*) U. S. Dept. of the Army, 1955.

Radiation in perspective (*Motion picture*) U. S. Atomic Energy Commission, 1963. Made by U. S. Dept. of Agriculture.

—PHYSIOLOGICAL EFFECT

The effect of ionizing radiation on domestic animals (*Motion picture*) U. S. Dept. of the Army, 1957.

Life with radiation (*Motion picture*) Division of Radiation Health, U. S. Public Health Service, 1960. Made by Station WQED-TV.

Medical aspects of nuclear radiation (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—SAFETY MEASURES

Life with radiation (*Motion picture*) Division of Radiation Health, U. S. Public Health Service, 1960. Made by Station WQED-TV.

Modification of radiation injury in mice (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

Radiation safety in nuclear energy explorations (*Motion picture*) U. S. Public Health Service and Atomic Energy Commission, 1962.

The washdown countermeasures: Preventing radiological contamination of ships exposed to underwater atomic attack (*Motion picture*) U. S. Dept. of the Navy, 1953.

RADICALS (CHEMISTRY)

Trapping of free radicals at low temperatures (*Motion picture*) U. S. National Bureau of Standards, 1960.

RADIO

see also Morse code; Radar

—ANTENNAS

Radio antennas: Creation and behavior of radio waves (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—APPARATUS AND SUPPLIES

see also Amplifiers, Vacuum-tube;
Loud-speakers; Radio compass;
Radio direction finders

How to remove and reinstall radio equipment (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1951.

Radio sets AN/GRC 3, 4, 5, 6, 7, and 8 (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

—INSTALLATION ON SHIPS

see also Radio in navigation

Reduction of radio interference: Shipboard installation practices (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

—INTERFERENCE

Electromagnetic interference ashore (*Motion picture*) U. S. Dept. of the Navy, 1961.

The invisible battleground (*Motion picture*) U. S. Dept. of the Army, 1962.

Radio interference, part 1 (*Motion picture*) U. S. Dept. of the Army, 1958.

Radio interference, part 2 (*Motion picture*) U. S. Dept. of the Army, 1958.

Radio interference from rural power lines (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Reduction of radio interference: Shipboard installation practices (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

—RECEIVERS AND RECEPTION

Radio receivers: Principles of radio receivers (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Radio shop techniques (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Reproducers (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

Signal generator operation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

Tuned circuits (*Motion picture*) U. S. Dept. of the Army, 1954.

Tuning (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

—REPAIRING

Fundamentals of radio trouble shooting, part 1: Principle technique (*Motion picture*) U. S. Dept. of the Army, 1960.

Fundamentals of radio trouble shooting, part 2: Trouble shooting a radio receiver (*Motion picture*) U. S. Dept. of the Army, 1960.

Fundamentals of radio trouble shooting, part 3: Trouble shooting a radio transmitter (*Motion picture*) U. S. Dept. of the Army, 1960.

Fundamentals of radio trouble shooting, part 4: Additional devices and techniques (*Motion picture*) U. S. Dept. of the Army, 1960.

—STATIC see Radio—Interference

—TRANSMITTERS AND TRANSMISSION

see also Radio, Short wave—Transmitters and transmission; Radio stations

Rhythm, speed, and accuracy in hand sending (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

The technique of hand sending (*Motion picture*) Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

Tuned circuits (*Motion picture*) U. S. Dept. of the Army, 1954.

RADIO, MILITARY

East coast relay station (*Motion picture*) U. S. Dept. of the Army, 1961.

Radio relay equipment AN/TRC-35 and 36. Part 4: System line up procedures (*Motion picture*) U. S. Dept. of the Army, 1960.

—SECURITY MEASURES

Radio transmission security (*Motion picture*) U. S. Dept. of the Army, 1955.

RADIO, SHORT WAVE

—ANTENNAS

Erection of the AS-19/TRC-1 antenna system (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1953.

—TRANSMITTERS AND TRANSMISSION

Standing waves on transmission lines (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

RADIO, SINGLE-SIDEBAND

Single sideband radio: Introduction (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

RADIO AMPLIFIERS see Amplifiers, Vacuum-tube

RADIO CIRCUITS

Regeneration (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

RADIO COMPASS

Radio compass equipment (*Motion picture*) U. S. Dept. of the Air Force, 1955.

RADIO DIRECTION FINDERS

Radio direction finder (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

Radio navigation, part 5 (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

RADIO-ELEMENTS see Radioactive substances

RADIO FREQUENCY MODULATION

see also Radio, Short wave

Basic principles of frequency modulation (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

RADIO IN AERONAUTICS

Low frequency Adcock radio range equipment and field patterns (*Filmstrip*) U. S. Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Orientation: The 90 degree method (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

Radio and control (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Radio navigation: The radio range (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

Radio range course control elements (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

RADIO IN NAVIGATION

see also Radio—Installation on ships

Radio navigation. Part 1: Introduction and aids to radio navigation (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Radio navigation. Part 3: Radio bearings (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

RADIO OPERATORS

The radio man fights (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1948.

RADIO OPERATORS (Continued)

Rhythm, speed, and accuracy in hand sending (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

The technique of hand sending (*Motion picture*) Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

Transmission security (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

RADIO RECEPTION see Radio—Receivers and reception

RADIO RELAY SYSTEMS

East coast relay station (*Motion picture*) U. S. Dept. of the Army, 1961.

Radio relay equipment AN/TRC-35 and 36. Part 4: System line up procedures (*Motion picture*) U. S. Dept. of the Army, 1959.

RADIO SERVICING see Radio—Repairing

RADIO STATIONS

Independent commercial radio station (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Mitchell Films Associates. Released for public educational use through U. S. Office of Education, 1952.

RADIO TRANSMISSION see Radio—Transmitters and transmission

RADIO VISION see Television

RADIO WAVES

Detection, radio (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

The effects of the ionosphere on radio wave propagation (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

Radio antennas: Creation and behavior of radio waves (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

RADIOACTIVE FALLOUT

see also Atomic bomb shelters

Fallout and agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.

Fallout protection for hospitals (*Motion picture*) U. S. Public Health Service, 1962.

The mission support during radioactive fallout: Disaster control (*Motion picture*) U. S. Dept. of the Air Force, 1959.

The mission support during radioactive fallout: Fallout shelters (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Off-site monitoring of fallout from nuclear tests (*Motion picture*) U. S. Public Health Service, 1958.

Radiological surveys (*Motion picture*) U. S. Dept. of the Army, 1960.

RADIOACTIVE GAGES

Gauging thickness with radioisotopes (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by George Tressel Productions.

RADIOACTIVE IODINE see Iodine—Isotopes

RADIOACTIVE ISOTOPES see Radioisotopes

RADIOACTIVE SUBSTANCES

see also Atomic energy in agriculture; Isotopes; Nuclear fuels; Radioactive fallout; Radioisotopes; Uranium

—INDUSTRIAL APPLICATIONS

Atoms for peace. Part 3: Agriculture, industry, and power (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

—TRANSPORTATION

Cobalt-60 reloading (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by George Tressel Productions.

RADIOACTIVE TRACERS

Atoms for peace. Part 2: Medicine (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

Chromosome labeling by tritium (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

The radioisotope: Methodology (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

Radioisotopes in agricultural research (*Motion picture*) U. S. Dept. of the Army, 1952.

Radioisotopes in general sciences (*Motion picture*) U. S Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

RADIOACTIVE WASTE DISPOSAL

Radioactive waste disposal (*Motion picture*) U. S. Public Health Service, 1961.

RADIOACTIVITY

see also Electrons; Nuclear physics; Plutonium; Radiotherapy; X-rays

Properties of radiation (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

Radioactivity: Laboratory demonstrations (*Motion picture*) U. S. Dept. of the Army, 1949.

—INSTRUMENTS

see also Geiger-Müller counters

An introduction to radiation detection instruments (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

Radioactivity: Laboratory demonstrations (*Motion picture*) U. S. Dept. of the Army, 1949.

—MEASUREMENT

Fundamentals of radiac instruments (*Motion picture*) U. S. Dept. of the Army, 1955.

Human radioactivity measurements (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Ionizing radiation in humans (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Practical procedures of measurement (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

—PHYSIOLOGICAL EFFECT

see also Atomic bomb—Physiological effect

Bikini—radiological laboratory (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by University of Washington.

Total body measurement of natural and acquired radioactivity in man (*Motion picture*) U. S. Dept. of the Army, 1961.

—SAFETY MEASURES

see also Atomic bomb—Safety measures; Atomic bomb shelters; Radioactive waste disposal

Atomic tests in Nevada (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

Fallout protection for hospitals (*Motion picture*) U. S. Public Health Service, 1962.

Fire fighting in the nuclear age (*Motion picture*) U. S. Atomic Energy Commission, 1960.

Living with radiation (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

The mission support during radioactive fallout: Disaster control (*Motion picture*) U. S. Dept. of the Air Force, 1959.

The mission support during radioactive fallout: Exposure control (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Off-site monitoring of fallout from nuclear tests (*Motion picture*) U. S. Public Health Service, 1958.

The practice of radiological safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

Radioactive contamination (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1953.

Radiological defense in civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1960.

Radiological survey (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1953.

RADIOCOBALT see Cobalt—Isotopes

RADIOGONIOMETER see Radio compass

RADIOGRAPHY

see also Photography—Scientific applications; Splenic vein—Radiography; X-rays

Routine X-ray procedures (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

RADIOIODINE see Iodine—Isotopes

RADIOISOTOPE-POWERED METEOROLOGICAL STATIONS see Automatic meteorological stations—Nuclear power plants

RADIOISOTOPE THERAPY see Radioisotopes—Therapeutic use

RADIOISOTOPES

see also Automatic meteorological stations—Nuclear power plants; Radioactive tracers

Engineerging for radioisotopes (*Motion picture*) U. S. Atomic Energy Commission, 1951. Made by Oak Ridge National Laboratory.

Fundamentals of radioactivity (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

Isotopes (*Motion picture*) U. S. Atomic Energy Commission, 1959.

Practical procedures of measurement (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

Radioisotopes in agricultural research (*Motion picture*) U. S. Dept. of the Army, 1952.

Radioisotopes in general sciences (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

—INDUSTRIAL APPLICATIONS

Industrial applications of radioisotopes (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by U. S. Dept. of the Army.

—THERAPEUTIC USE

Teletherapy and brachytherapy (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

RADIOISOTOPES IN THE BODY

Human radioactivity measurements (*Motion picture*) U. S. Atomic Energy Commission, 1958.

Ionizing radiation in humans (*Motion picture*) U. S. Atomic Energy Commission, 1958.

RADIOLOGY, MEDICAL

see also Radiography; Radioisotopes; Radiotherapy

Iodine-131 (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

Medical research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Audio Productions.

The physical principles of radiological safety (*Motion picture*) U. S. Dept. of the Army, 1954.

Teletherapy and brachytherapy (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

RADIOMETER

Crevasse location and mapping (*Motion picture*) U. S. Army Engineers, 1958.

RADIOTHERAPY

see also Radioactivity; Radioisotopes—Therapeutic use; X-rays—Therapeutic use

Radiotherapy: High dosage treatment (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

Radiotherapy: High dosage treatment (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

RAILROADS

see also Military railroads; Railway mail service

Railroads (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

—AIR-BRAKES see Air-brakes

—FREIGHT

Packaging and packing: Carloading (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Methods of preservation, submethod IA-8 water-vaporproof bag, sealed (*Filmstrip*) U. S. Dept. of the Army, 1960.

—FREIGHT-CARS

Packaging and packing: Carloading (*Filmstrip*) U. S. Dept. of the Army, 1960.

—MAINTENANCE AND REPAIR

Rail right-of-way maintenance and repair: Elements of maintenance (*Filmstrip*) U. S. Dept. of the Army, 1954.

—MANAGEMENT

Armed Forces screen magazine, no. 507 (*Motion picture*) U. S. Dept. of Defense, 1953.

—SAFETY MEASURES

Railroad safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

RAILWAY MAIL SERVICE

Men and mail in transit (*Motion picture*) U. S. Post Office Dept., 1956. Made by U. S. Dept. of Agriculture.

RAIN AND RAINFALL

see also Floods; Forest influences; Snow; Water-storage

Adventures of Junior Raindrop (*Motion picture*) U. S. Dept. of Agriculture, 1948.

RAISINS

The raisins you buy (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the California Raisin Advisory Board, 1957.

RANCH LIFE

Home on the range (*Motion picture*) U. S. Dept. of Agriculture, 1946.

RANGES (STOCK) see Stock-ranges

RASPS see Files and rasps

RAT-CATCHING see Rats—Extermination

RATIO AND PROPORTION

Beginning algebra II, lecture 9: Ratio, proportion, and variation (*Motion picture*) U. S. Dept. of Defense, 1956.

RATIONAL GAMES (MATHEMATICS) see Games of strategy (Mathematics)

RATPROOF CONSTRUCTION

see also Rats—Extermination

Ratproofing (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Ratproofing (*Motion picture*) U. S. Public Health Service, 1954.

Ratproofing of existing buildings (*Filmstrip*) U. S. Public Health Service, 1947.

Rural rat control (*Motion picture*) U. S. Public Health Service, 1951.

RATS

Behavior of wild Norway rats (*Motion picture*) U. S. Dept. of the Army, 1957.

Habits and characteristics of the rat: The Norway rat (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Habits and characteristics of the rat: The roof rat (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

The Norway rat, habits and characteristics (*Motion picture*) U. S. Public Health Service, 1953.

Recognition of domestic rodent signs (*Filmstrip*) U. S. Public Health Service, 1952.

The roof rat, habits and characteristics (*Motion picture*) U. S. Public Health Service, 1954.

—EXTERMINATION

see also Rodenticides

Area poisoning (*Motion picture*) U. S. Public Health Service, 1954.

Grain sanitation (Filmstrip) U. S. Dept. of Agriculture, 1954.

Plague control (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Rat eradication measures on ratproofing projects (*Filmstrip*) U. S. Public Health Service, 1947.

Rat killing (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Rat killing (*Motion picture*) U. S. Public Health Service, 1954.

Rural rat control (*Motion picture*) U. S. Public Health Service, 1951.

Sanitation techniques in rat control (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Sanitation techniques in rat control (*Motion picture*) U. S. Public Health Service, 1954.

Use of anticoagulants in rodent control (*Filmstrip*) U. S. Public Health Service, 1958.

RATS AS CARRIERS OF DISEASE

Epidemiology of murine typhus (*Motion picture*) U. S. Public Health Service, 1953.

Plague control (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

The rat problem (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1954.

The rat problem (*Motion picture*) U. S. Public Health Service, 1954.

REACTANCE (ELECTRICITY)

see also Electric resistance; Impedance (Electricity)

Capacitive reactance (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

Inductive reactance (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

REACTOR FUELS see Nuclear fuels

REACTORS (NUCLEAR PHYSICS) see Nuclear reactors

REACTORS, BREEDER see Breeder reactors

REACTORS, ENGINEERING TEST see Engineering test reactors

REACTORS, GAS COOLED see Gas cooled reactors

REACTORS, MATERIALS TESTING see Materials testing reactors

REACTORS, MOLTEN SALT see Molten salt reactors

REAMERS

Reaming with straight hand reamers (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

Reaming with straight hand reamers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Reaming with taper hand reamers (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

Reaming with taper hand reamers (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

REAPERS see Harvesting machinery

REBELLIONS see Revolutions

RECLAMATION OF LAND

see also Clearing of land; Drainage; Irrigation; Malarial fever—Prevention

Irrigation, lifeblood of the West (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Pole drainage (*Motion picture*) U. S. Public Health Service, 1946.

The sanitary landfill. Part 1: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1957.

Water in the West (*Motion picture*) U. S. Bureau of Reclamation, 1961.

Wild fruits for soil conservation (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

RECONNAISSANCE, AERIAL see Aeronautics, Military—Observations

RECONSTRUCTION

American history I, lecture 16: The Southern States are restored to the Union (*Motion picture*) U. S. Dept. of Defense, 1956.

RECONSTRUCTION (1914-1939)

American history II, lecture 12: American reaction to treaty of Versailles; return to isolation (*Motion picture*) U. S. Dept. of Defense, 1956.

RECONSTRUCTION (1939-1951)

Assignment Germany (*Motion picture*) U. S. Dept. of the Army, 1950.

Problems of peace in Europe (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

RECREATION

see also Community organization; Hobbies; Leisure; Reservoirs—Recreational use

Recreational and occupational therapy (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

Recreational and occupational therapy (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

—SAFETY MEASURES

Take safety with you (*Motion picture*) U. S. Army Engineers, 1957.

RECREATION AREAS

Recreation areas (*Motion picture*) U. S. Dept. of Agriculture, 1962.

Tent flaps and flapjacks (*Motion picture*) U. S. Dept. of Agriculture, 1962.

RECREATION CENTERS

see also Recreation areas

Recreation center operation (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

RECREATIONS see Hobbies; Play; Sports

RECTIFICATION OF SPIRITS see Distillation

RECTO-URETHRAL FISTULA see Fistula, Recto-urethral

RED CROSS. U.S. AMERICAN NATIONAL RED CROSS

Air Force leave and pass policies (*Motion picture*) U. S. Dept. of the Air Force, 1957.

REDUCING (BODY-WEIGHT CONTROL) see Corpulence

REFLEXES

Respiratory reflexes demonstrated in the rabbit (*Motion picture*) U. S. Dept. of the Army, 1949.

REFORESTATION

see also Forests and forestry; Tree planting

The land changes (*Motion picture*) U. S. Dept. of Agriculture, 1957.

REFRACTION

Radar refraction and weather: The radar coverage problem (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Radar refraction and weather: The radar weather problem (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Radar refraction and weather: Why the weather? (*Motion picture*) U. S. Dept. of the Air Force, 1956.

REFRACTORY MATERIALS

Boiler repairs, fire side: High temperature castable refractories (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

REFRACTORY METALS see Heat resistant alloys

REFRIGERANTS

Adding or removing refrigerant (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Adding or removing refrigerant (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

REFRIGERATION AND REFRIGERATING MACHINERY

see also Cold-storage lockers

Basic principles of refrigeration (*Filmstrip*) U. S. Public Health Service, 1951.

Mechanical refrigeration: How it works (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

Principles of refrigeration (*Motion picture*) U. S. Office of Education, 1944. Made by Graphic Films.

Principles of refrigeration (*Filmstrip*) U. S. Office of Education, 1944. Made by Graphic Films.

Refrigerated food storage principles (*Filmstrip*) U. S. Public Health Service, 1951.

REFRIGERATORS

—MAINTENANCE AND REPAIR

Adding or removing refrigerant (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Adding or removing refrigerant (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Adjusting and checking the expansion valve (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Adjusting and checking the expansion valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Adjusting & repairing the thermo expansion valve (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Adjusting & repairing the thermo expansion valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Adjusting commercial thermostatic controls (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Adjusting commercial thermostatic controls (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Adjusting pressure actuated temperature control devices (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Adjusting pressure actuated temperature control devices (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Checking and replacing a float valve (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking and replacing a float valve (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking the electrical system (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking the electrical system (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking the system. Part 1: General procedure (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking the system. Part 1: General procedure (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking the system. Part 2: Trouble shooting (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Checking the system. Part 2: Trouble shooting (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Locating and repairing leaks (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Locating and repairing leaks (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Making and repairing tubing connections (*Motion picture*) U. S. Office of Education, 1944. Made by Anson Bond Productions.

Making and repairing tubing connections (*Filmstrip*) U. S. Office of Education, 1944. Made by Anson Bond Productions.

Quieting a noisy refrigerator (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Quieting a noisy refrigerator (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Removing and installing a compressor or condenser (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Removing and installing a compressor or condenser (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Removing and installing a cooling unit (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Removing and installing a cooling unit (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

Servicing water-cooled condensers (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

Servicing water cooled condensers (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

REFUELING OF AEROPLANES see Aeroplanes—Refueling

REFUGEES, GERMAN

Let us live (*Motion picture*) U. S. Dept. of State, 1953. Released for educational use in the United States through U. S. Office of Education.

REFUGEES, HUNGARIAN

Now we are free (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

Out of Hungary to freedom (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

REFUGEES, POLITICAL

The Cummington story (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

The haven (*Motion picture*) U. S. Information Agency, 1954. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1954.

REFUSE AND REFUSE DISPOSAL

see also Radioactive waste disposal; Salvage (Waste, etc.); Sewage disposal; Water—Pollution

Fly control through basic sanitation (*Motion picture*) U. S. Public Health Service, 1950.

Incineration (*Motion picture*) U. S. Public Health Service, 1960.

Refuse disposal by sanitary landfills (*Motion picture*) U. S. Public Health Service, 1956.

Rural rat control (*Motion picture*) U. S. Public Health Service, 1951.

The sanitary landfill. Part 1: Operating procedures (*Filmstrip*) U. S. Public Health Service, 1957.

The sanitary landfill. Part 2: Small community landfills (*Filmstrip*) U. S. Public Health Service, 1956.

Sanitary storage and collection of refuse (*Motion picture*) U. S. Public Health Service, 1962.

Sanitation techniques in rat control (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

Sanitation techniques in rat control (*Motion picture*) U. S. Public Health Service, 1954.

A survey of refuse disposal methods (*Motion picture*) U. S. Public Health Service, 1959.

REGULATORS see Governors (Machinery)

REHABILITATION

The road back (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

REHABILITATION, RURAL

Teamwork on the Nevada range (*Motion picture*) U. S. Dept. of Agriculture, 1963.

Rural areas development—what it is, what it can do, how it works (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

The Watauga story (*Motion picture*) U. S. Dept. of Agriculture, 1962.

REHABILITATION, VOCATIONAL see Vocational rehabilitation

REINFORCED PLASTICS

Reinforced plastics: Inspection and quality control (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

Reinforced plastics, introduction (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

Reinforced plastics: Repair of single skin failures (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

RELIABILITY (ENGINEERING)

Reliability: Fundamental concepts, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Reliability: Fundamental concepts, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Reliability: Statistical concepts (*Motion picture*) U. S. Dept. of the Navy, 1961.

Reliability engineering: Reliability testing (*Motion picture*) U. S. Dept. of the Navy, 1961.

RELIABILITY OF EQUIPMENT see Reliability (Engineering)

RELIEF, INTERNATIONAL see International relief

REPRODUCTION

see also Embryology; Pregnancy

Anatomy and physiology: The male reproductive system (*Filmstrip*) U. S. Dept. of the Army, 1953.

How animal life begins (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

In the beginning (*Motion picture*) U. S. Dept. of Agriculture, 1937.

Transplanting hen's ova (*Motion picture*) U. S. Dept. of Agriculture, 1948.

RESCUE WORK

see also First aid in illness and injury; Life-saving; Search and rescue operations

ABC warfare defense ashore: Rescue operations; lifting devices, shoring (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

ABC warfare defense ashore: Rescue operations; rigging, breaching walls, tunneling (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

Rescue squad (*Motion picture*) U. S. Dept. of State, 1952. Made by Bay State Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

RESEARCH

see also Aeronautical research; Agricultural research; Atomic energy research; Cotton research; Engineering research; Experimental design; Forest products research; Marketing research; Medical research; Military research; Naval medical research; Operations research; Research, Industrial; also subdivision Research under subjects, e. g. Fire prevention—Research

Is research your job? Careers in human nutrition and home economics (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

The Navy and science (*Motion picture*) U. S. Dept. of the Navy, 1951.

Serving the nation (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

RESEARCH, INDUSTRIAL

see also Inventions; Naval research

Air science in action (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Design for environment (*Motion picture*) U. S. Dept. of the Air Force, 1957.

RESEARCH, VETERINARY see Veterinary medicine—Research

RESERVE FORCES (U. S.) see U. S.—Armed Forces—Reserves

RESERVOIRS

see also Flood dams and reservoirs; Water-storage; Water-supply

Malaria control on impounded waters (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.

—RECREATIONAL USE

Just for the fun of it (*Motion picture*) U. S. Army Engineers, 1959.

Reservoirs of recreation (*Motion picture*) U. S. Army Engineers, 1959.

RESETTLEMENT see Rehabilitation, Rural

RESIDENT PHYSICIANS see Hospitals—Staff

RESINS see Gums and resins

RESISTANCE, ELECTRIC see Electric resistance

RESISTANCE TO GOVERNMENT see Government, Resistance to

RESISTANCE WELDING see Electric welding

RESPIRATION

see also Asphyxia; Respiratory organs

Medical aspects of diving, part 2: Effects of elevated partial pressures of gases (*Motion picture*) U. S. Dept. of the Navy, 1962.

Respiration and circulation (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Respiratory reflexes demonstrated in the rabbit (*Motion picture*) U. S. Dept. of the Army, 1949.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

RESPIRATION, ARTIFICIAL see Artificial respiration

RESPIRATORS

see also Aeroplanes—Oxygen equipment; Gas masks

Armed Forces screen magazine, no. 507 (*Motion picture*) U. S. Dept. of Defense, 1953.

RESPIRATORY ORGANS

see also Chest; Larynx; Lungs; Trachea

Anatomy and physiology: The respiratory system (*Filmstrip*) U. S. Dept. of the Army, 1953.

RESPONSIBILITY

Family (*Motion picture*) U. S. Dept. of the Army, 1958.

Moral responsibility of safety (*Motion picture*) U. S. Dept. of the Army, 1959.

RESTAURANTS, LUNCH ROOMS, ETC.

Basic principles of kitchen layout (*Filmstrip*) U. S. Public Health Service, 1953.

Food sanitation. Part 1: Construction of building (*Filmstrip*) U. S. Public Health Service, 1954.

Food sanitation. Part 2: Utensils and equipment (*Filmstrip*) U. S. Public Health Service, 1954.

Food sanitation. Part 3: Washing and storage (*Filmstrip*) U. S. Public Health Service, 1954.

Food sanitation. Part 4: Refrigeration and food handling (*Filmstrip*) U. S. Public Health Service, 1954.

Serving food (*Motion picture*) U. S. Public Health Service, 1954.

Structural standards for restaurants (*Filmstrip*) U. S. Public Health Service, 1954.

RESUSCITATION

Introduction to respiratory and cardiac resuscitation (*Motion picture*) U. S. Dept. of the Army, 1962.

RETINA

see also Color-sense

Removal of magnetic foreign bodies from the eye (*Motion picture*) U. S. War Dept., 1946.

RETIRED MILITARY PERSONNEL

Elvis J. Stahr, Jr., Secretary of the Army, briefing for retired personnel (*Motion picture*) U. S. Dept. of the Army, 1962.

REVOLUTION, AMERICAN see U.S.—History—Revolution

REVOLUTIONS

see also Government, Resistance to

The third challenge: unconventional warfare (*Motion picture*) U. S. Dept. of Defense, 1963.

RHEUMATIC FEVER

A fair chance (*Motion picture*) U. S. Information Agency, 1954. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1957.

RHEUMATIC HEART DISEASE

Stop rheumatic fever (*Motion picture*) U. S. Public Health Service in cooperation with the Council on Rheumatic Fever and Congenital Heart Disease of the American Heart Association, 1955. Made by Transfilms.

RICKETTSIA

Chick embryo techniques (*Motion picture*) U. S. Public Health Services, 1951.

RICKETTSIAL DISEASES

Rickettsia—laboratory procedure for their isolation and identification (*Motion picture*) U. S. Dept. of the Army, 1949.

RIDING see Horsemanship

RIFLE PRACTICE

see also Shooting, Military

Trigger squeeze, M1 rifle (*Motion picture*) U. S. Dept. of the Army, 1955.

RIFLES

Infantry weapons and their effects: M1C cal. .30 sniper's rifle; sniperscope, infrared set no. 1 (*Motion picture*) U. S. Dept. of the Army, 1954.

The 106mm rifle. Part 1: Introduction to the weapon (*Motion picture*) U. S. Dept. of the Army, 1957.

U. S. rifle cal. 7.62 mm, M-14, operation and cycle of functioning (*Motion picture*) U. S. Dept. of the Army, 1960.

RIGGING see Masts and rigging

RINDERPEST

Rinderpest (*Motion picture*) U. S. Dept. of Agriculture in collaboration with the Federal Civil Defense Administration and the Dept. of Defense, 1955.

RINGWORM

Dermatology and syphilology. Part 5: Superficial fungus infections (*Filmstrip*) U. S. Dept. of the Army, 1957.

Laboratory diagnosis of ringworm in animals. Part 1: Microsporum infections (*Filmstrip*) U. S. Public Health Service, 1957.

Laboratory diagnosis of ringworm in animals. Part 2: Trichophyton infections (*Filmstrip*) U. S. Public Health Service, 1957.

Laboratory diagnosis of tinea capitis in children: Microsporum infections (*Filmstrip*) U. S. Public Health Service, 1950.

Laboratory diagnosis of Trichophyton infections. Part 1: Ectothrix infections of the beard and scalp (*Filmstrip*) U. S. Public Health Service, 1952.

Laboratory diagnosis of Trichophyton infections. Part 2: Endothrix infections of the scalp (*Filmstrip*) U. S. Public Health Service, 1952.

RIO DE JANEIRO

Rio de Janeiro (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1945. Re-released for educational use in the United States through U. S. Office of Education, 1949.

RIOTS

Riot control formations. Part 1: Squad formations (*Motion picture*) U. S. Dept. of the Army, 1957.

Riot control formations. Part 3: Vehicles and foot troops (*Motion picture*) U. S. Dept. of the Army, 1958.

Support in emergencies: Riot control (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use, 1956.

RIVERS

see also Dams; Floods; Watersheds

The river (*Motion picture*) U. S. Dept. of Agriculture, 1939. Made by Pare Lorentz.

—POLLUTION see Water—Pollution

RIVETS AND RIVETING

Assembling in a jig: Drilling and riveting (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Drilling and riveting (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Fitting and lining up (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Fitting and lining up (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Blind riveting (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Blind riveting (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Dimpling and countersinking (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Dimpling and countersinking (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drilling with portable drill motors (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drilling with portable drill motors (*Filmstrip*) U. S. Office of Education, 1943. Made bv Jam Handv Organization.

Driving and bucking rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Driving and bucking rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

How to rivet aluminum (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

Inspection of minor assemblies (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of minor assemblies (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Machine countersunk flush rivets for aircraft (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1943.

Removing defective rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Removing defective rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Squeeze riveting: Stationary and portable riveters (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Squeeze riveting: Stationary and portable riveters (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

ROAD ACCIDENTS see Traffic accidents

ROAD-BUILDING MACHINERY see Road machinery

ROAD CONSTRUCTION

Bases and untreated surfaces (*Motion picture*) U. S. War Dept., 1943.

Clearing, grubbing, and rock work (*Motion picture*) U. S. War Dept., 1943.

Gravel and rock surfaces (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Road expedients (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

Subgrade preparation (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

ROAD DRAINAGE

Drainage (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

ROAD MACHINERY

see also Graders (Earthmoving machinery)

Mechanized trail equipment (*Motion picture*) U. S. Dept. of Agriculture, 1958.

ROAD TRAFFIC see Traffic engineering

ROADS, MILITARY see Military roads

ROADSIDE MARKETING

Roadside marketing in the Garden State (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

ROBOT BOMBS see V-2 rocket

ROCK CLIMBING

Military rock climbing: Movement of combat units (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Military rock climbing: Technique of climbing (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

ROCK-CRYSTAL see Quartz

ROCKET FLIGHT see Space flight

ROCKET LAUNCHERS (ORDNANCE)

Missile master: AN/FSG-1 anti-aircraft defense system, engineering report no. 9627 (*Motion picture*) U. S. Dept. of the Army, 1958.

ROCKET PROJECTILES see Rockets (Ordnance)

ROCKET SHIPS see Space ships

ROCKETS (AERONAUTICS)

see also Atmosphere, Upper—Rocket observations; Ballistic missiles; Guided missiles; Project Vanguard

High-speed flight research (at Muroc) (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

Operation of jet aircraft engines (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization.

Space pioneer (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

Thunderbolt geometry (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—MODELS

Pilotless aircraft research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

—TESTING

Prelude to IGY (*Motion picture*) U. S. Dept. of the Army, 1960.

ROCKETS (ORDNANCE)

see also Guided missiles; Nike rocket; Rocket launchers (Ordnance); V-2 rocket

Armed Forces screen magazine, no. 504 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.

Defense of Antwerp against the V-1 (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

Honest John (*Motion picture*) U. S. Dept. of the Army, 1960.

Little John (*Motion picture*) U. S. Dept. of the Army, 1960.

Rocket instrumentation (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

VT bomb and rocket fuzes (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION see U.S. Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.

RODENTICIDES

Use of anticoagulants in rodent control (*Motion picture*) U. S. Public Health Service, 1961.

ROENTGENOGRAMS see X-rays

ROLLER BEARINGS

Care and maintenance of tapered roller bearings (*Motion picture*) U. S. War Dept., 1941. Released for public educational use through U. S. Office of Education, 1949.

ROLLING (AERODYNAMICS)

Aerodynamics: Fundamentals of roll-divergence (*Motion picture*) U. S. Dept. of the Navy, 1960.

ROME

Italy (*Motion picture*) U. S. Dept. of Defense, 1951.

ROME (CITY)

Liberation of Rome (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

ROOSEVELT, FRANKLIN DELANO, PRES. U.S., 1882-1945

American history II, lecture 17: Roosevelt and the New Deal (*Motion picture*) U. S. Dept. of Defense, 1956.

ROOSEVELT, THEODORE, PRES. U.S., 1858-1919

Theodore Roosevelt, American (*Motion picture*) U. S. Dept. of Defense with the cooperation of the Theodore Roosevelt Centennial Commission, 1958. Made by U. S. Dept. of the Army.

ROOTS, NUMERICAL

Beginning algebra II, lecture 13: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 14: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.

ROPE

see also Cables; Knots and splices; Wire rope

Use and care of fiber rope (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

ROSIN see Gums and resins

ROTATING WINGS see Rotors (Helicopters)

ROTATION OF CROPS

Como cuidar da terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Hay que alimentar la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

The land must eat (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

ROTORS (HELICOPTERS)

Helicopter maintenance. Part 5: Rotor blade inspection, repair, and tracking (H-19, H-34, H-37) (*Motion picture*) U. S. Dept. of the Army, 1958.

ROUTING-MACHINES

Blanking with the swing arm router (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Blanking with the swing arm router (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

ROWING

Handling a lifeboat under oars. Part 1: Rowing (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

Handling a lifeboat under oars. Part 2: Commands (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

ROYAL VISITS see Visits of state

RUBBER, ARTIFICIAL

see also Butyl rubber

Flame spraying of thiokol (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

Synthetic rubber (*Motion picture*) U. S. Bureau of Mines in cooperation with Goodyear Tire & Rubber Co., 1944.

RUBBER INDUSTRY AND TRADE

Synthetic rubber (*Motion picture*) U. S. Bureau of Mines, in cooperation with Goodyear Tire & Rubber Co., 1944.

RUBBER TIRES see Tires, Rubber

RUDDER see Steering-gear

RULE OF THE ROAD AT SEA

see also Collisions at sea

The Beaver–Selja incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

City of Rome incident (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Crossing at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Crossing steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

The Halifax incident (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.

Lights, running and anchor (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Lights, vessels being towed (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Meeting at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Meeting steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Overtaking at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Overtaking situation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Rules in fog (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Rules of the nautical road: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.

Rules of the road for boatmen (*Motion picture*) U. S. Coast Guard, 1959.

Rules of the road, international: Restricted visibility situations (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.

Rules of the road, international: Special daytime situations (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.

Rules of the road, international: Vessels crossing, daytime (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

Rules of the road, international: Vessels overtaking, daytime (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

Special circumstances (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Special lights (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Special steering and sailing rules (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

The Svea–Newport incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944

The Taurus–Gulf Trade incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Towing lights (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

The Varanger–Dora Weems incident (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Visual day signals (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Whistle signals for approaching steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

RULERS (INSTRUMENTS)

La regla de acero (*Motion picture*) U. S. Office of Education [1959?].

The steel rule (*Motion picture*) U. S. Office of Education, 1941. Made by Laucks & Norling Studios.

The steel rule (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

RULES OF ORDER see Parliamentary practice

RULES OF THE AIR see Air traffic rules

RUMOR

About rumors (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.

RUNWAYS (AERONAUTICS) see Air bases—Runways; Airports—Runways

RUPTURE see Hernia

RURAL ARCHITECTURE see Farm buildings

RURAL CONDITIONS

Recreation areas (*Motion picture*) U. S. Dept. of Agriculture, 1962.

RURAL CREDIT see Agricultural cooperative credit associations

RURAL ELECTRIFICATION

see also Electricity in agriculture

Power and the land (*Motion picture*) U. S. Dept. of Agriculture, 1951.

REA comes to the farm (*Motion picture*) U. S. Dept. of Agriculture, 1955.

RURAL LIFE see Country life; Farm life; Outdoor life

RURAL REHABILITATION see Rehabilitation, Rural

RURAL SCHOOLS

Board of education (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

Mexico builds a democracy (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Rural high school (*Motion picture*) U. S. Dept. of State, 1951. Made by M. P. O. Productions. Released for educational use in the United States through the U. S. Office of Education, 1952.

RUSSELL, CHARLES MARION, 1864-1926

Charley Russell's friends (*Motion picture*) U. S. Information Agency, 1959. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.

RUSSIA

The Soviet Union and its peoples (*Motion picture*) U. S. Dept. of Defense, 1951.

—FOREIGN RELATIONS

The anatomy of aggression (*Motion picture*) U. S. Information Agency, 1961. Made by Allegro Productions. Released for public educational use in the United States through U. S. Office of Education, 1961.

The new face of the Soviets (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

—HISTORY

A study of the U. S. S. R. (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

RUSSIAN LANGUAGE

—STUDY AND TEACHING

Audio-lingual techniques for teaching foreign languages—Russian (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.

RUSSIAN PROPAGANDA see Propaganda, Russian

RUSSIAN SATELLITES see Communist countries

RUST see Corrosion and anti-corrosives

RUSTS (FUNGI)

Stem rust (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Stem rust (*Motion picture*) U. S. Dept. of Agriculture, 1956.

S

S N A P NUCLEAR REACTORS see Project S N A P

S N A P PROJECT see Project S N A P

SABOTAGE

Guarding against sabotage (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

SACEUR see Supreme Allied Commander, Europe

SACLANT see Supreme Allied Commander, Atlantic

SACROILIAC

—SURGERY

Surgical approaches to the spine and sacroiliac (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

SAFETY CLOTHING see Clothing, Protective

SAFETY ENGINEERING see Industrial accidents

SALESMEN AND SALESMANSHIP

Mr. Stuart answers the question (*Motion picture*) U. S. Dept. of Commerce, Office of Small Business, 1947. Made by U. S. Dept. of Agriculture.

SALMON

Fish and dams (*Motion picture*) U. S. Army Engineers, 1956.

SALTPETER

Atacama desert (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

SALUTES, MILITARY see Military ceremonies, honors, and salutes

SALUTES, NAVAL see Naval ceremonies, honors and salutes

SALVAGE (WASTE, ETC.)

see also Refuse and refuse disposal

Packaging and packing: Use of salvaged packaging materials (*Filmstrip*) U. S. Dept. of the Army, 1955.

SAN PIETRO, BATTLE OF, 1943

San Pietro (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

SAND-BLAST

Painting ships bottoms: Sandblasting (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

SANDING MACHINES

Ponçage de surfaces planes et irrégulières (*Motion picture*) U. S. Office of Education, 1951.

Sanding flat and irregular surfaces (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Sanding flat and irregular surfaces (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

SANITARY AFFAIRS see Hygiene, Public

SANITARY ENGINEERING

see also Drainage; Filters and filtration; Refuse and refuse disposal; Sanitation; Water-supply

Constructing a sanitary pit privy (*Motion picture*) U. S. Public Health Service, 1949.

Constructing a sanitary pit privy (*Filmstrip*) U. S. Public Health Service, 1949.

Engineering your health (*Motion picture*) U. S. Public Health Service, 1958. Made by Atlas Film Corp.

Environmental sanitation (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Malaria control on impounded waters (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.

Municipal sewage treatment processes (*Motion picture*) U. S. Public Health Service, 1951.

Saneamento geral (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Saneamiento del ambiente (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

SANITATION

see also Hygiene; Hygiene, Public; Military hygiene; Naval hygiene; Refuse and refuse disposal; Sanitary engineering; Water—Purification

Community fly control operations (*Motion picture*) U. S. Public Health Service, 1952.

Control of louse-borne diseases (*Motion picture*) U. S. War Dept., 1946.

Disease and personal hygiene (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Disenteria (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Domestic vector control by basic sanitation (*Filmstrip*) U. S. Public Health Service, 1958.

Food preparation (*Motion picture*) U. S. Public Health Service, 1954.

Galley sanitation (*Motion picture*) U. S. Dept. of the Army, 194[illegible]. Released for public educational use through U. S. Office of Education, 1949.

Hospital food service personnel training. Part 3: Equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Hospital sanitation (*Motion picture*) U. S. Dept. of the Army, 1951.

Kitchen habits (*Motion picture*) U. S. Public Health Service, 1954.

Prevent dysentery (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

SANITATION, HOUSEHOLD

see also Food handling; Plumbing

An introduction to backsiphonage and cross connections (*Filmstrip*) U. S. Public Health Service, 1957.

SÃO PAULO, BRAZIL (CITY)

São Paulo (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

SAPROPHYTISM

Common saprophytic fungi (*Filmstrip*) U. S. Public Health Service, 1960.

SARATOGA CAMPAIGN, 1777

Shipment to Saratoga (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

SARDINES

It's the Maine sardine (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with Maine Sardine Packers Assn., 1949. Made by Sun Dial Films.

Sardines from Maine, Down East style (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by Sundial Films.

SATELLITE VEHICLES see Artificial satellites

SATELLITES, ARTIFICIAL see Artificial satellites

SAVANNAH (ATOMIC POWERED MERCHANT SHIP)

Nuclear ship Savannah (*Motion picture*) U. S. Information Agency, 1960. Made by Sam P. Orleans & Associates. Released for public educational use in the United States through U. S. Office of Education, 1960.

SAVING AND THRIFT

The crop that never fails (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Treasury, 1946.

SAWMILLS

The small sawmill (*Motion picture*) U. S. Dept. of Agriculture, 1954.

SAWS

see also Band saws; Hacksaws; Variety saws

Hacksaws (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

SCABIES

Psoroptic sheep and cattle scabies (*Motion picture*) U. S. Dept. of Agriculture, 1956.

SCAFFOLDING

see also Shoring and underpinning

Rigid and swinging staging (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SCALDS see Burns and scalds

SCALP

—SURGERY

Total excision of scalp for turban tumor (*Motion picture*) U. S. Veterans Administration, 1961.

—TUMORS

Total excision of scalp for turban tumor (*Motion picture*) U. S. Veterans Administration, 1961.

SCHISTOSOMIASIS

Asiatic schistosomiasis (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1949.

Australorbis glabratus, vector of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.

Eggs and miracidia of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.

The laboratory diagnosis of schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1946.

Manson's blood fluke (*Motion picture*) U. S. Public Health Service, 1948.

Miracidia of Schistosoma japonicum (*Motion picture*) U. S. Public Health Service, 1947.

The pathology of schistosomiasis (*Motion picture*) U. S. Public Health Service, 1948.

Schistosomes in the primary host (*Motion picture*) U. S. Public Health Service, 1948.

Schistosomiasis (*Motion picture*) U. S. Dept. of the Army, 1946.

Schistosomiasis (*Filmstrip*) U. S. Public Health Service, 1955.

Schistosomiasis—snail fever (*Motion picture*) U. S. War Dept., 1945.

The setting of endemic schistosomiasis in Puerto Rico (*Motion picture*) U. S. Public Health Service, 1948.

Sporocysts and cercariae of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1948.

SCHIZOPHRENIA

Activity for schizophrenia (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

Road to reason (*Motion picture*) U. S. Veterans Administration 1951.

SCHOOL AND COMMUNITY see Community and school

SCHOOL BUS DRIVERS see Motor bus drivers

SCHOOL CHILDREN

—FOOD

Food for thought (*Motion picture*) U. S. Fish and Wildlife Service, 1960. Made by Sun Dial Films.

Glamorizing vegetables (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

Kids must eat (*Motion picture*) U. S. Dept. of Agriculture, 1945. Made by Wilding Pictures.

Let's have more vitamin A and C foods in school lunches (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

Meeting the needs of our school lunch customers (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

Preparing a school lunch (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

—TRANSPORTATION

Passengers, driving hazards, safety (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

Passengers, driving hazards, safety (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

SCHOOL LUNCHES see School children—Food

SCHOOL TEACHING see Teaching

SCHOOL TRANSPORTATION see School children—Transportation

SCHOOLS

see also Correspondence schools and courses; Education; Military post schools; Rural schools; Universities and colleges

The school (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

School of the south (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—CENTRALIZATION

Board of education (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

SCHOOLS, MILITARY see Military education

SCIATIC NERVE

Partial neurorrhaphy of the sciatic nerve in the buttock (*Motion picture*) U. S. War Dept., 1946.

Peripheral nerve surgery: Exploration of sciatic nerve in the thigh (*Motion picture*) U. S. Veterans Administration, 1959.

Peripheral nerve surgery. Part 1: Sciatic nerve (*Motion picture*) U. S. Dept. of the Army, 1947.

SCIENCE

see also Biology; Mathematics

—STUDY AND TEACHING (PRIMARY)

Science through discovery (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.

—STUDY AND TEACHING (SECONDARY)

A probing mind (*Motion picture*) U. S. Office of Education, 1961. Made by the National Educational Television and Radio Center.

SCIENTIFIC MANAGEMENT see Industrial management

SCIENTIFIC RESEARCH see Research

SCINTILLATION COUNTERS

Liquid scintillation counting (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

SCRAPERS

Scraping flat surfaces (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

Scraping flat surfaces (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

SCREW-THREADS

Cutting an external acme thread (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

Cutting an external acme thread (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

Cutting an external national fine thread (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

Cutting an external national fine thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Cutting an internal acme thread (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Cutting an internal acme thread (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

Cutting threads with taps and dies (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

Cutting threads with taps and dies (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Inspection of threads (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of threads (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

SCREWDRIVERS

Pliers and screw drivers (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

SCREWS

Making a cone point set screw (*Motion picture*) U. S. Veterans Administration, 1949.

SCREWWORM

Roundup (*Motion picture*) U. S. Dept. of Agriculture, 1960.

SCRUB TYPHUS see Tsutsugamushi disease

SCULPTURE, AMERICAN

Uncommon valor (*Motion picture*) U. S. Dept. of the Navy, 1952.

SEA see Ocean

SEA-FISHERIES see Fisheries

SEA-POWER

Seapower (*Motion picture*) U. S. Dept. of the Navy, 1960.

Security through seapower (*Motion picture*) U. S. Dept. of the Navy, 1958.

SEA RESCUE EQUIPMENT see Aircraft survival equipment

SEA SOUNDINGS see Sounding and soundings

SEA-WATER

Military oceanography: Occupying an oceanographic station (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

SEA WATER, DISTILLATION OF

Griscom-Russell: How it works, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

Griscom-Russell: How it works, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

Water purification: Vapor compression distillation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

SEABEES see U. S. Navy. Construction Battalions

SEACOAST DEFENSES see Coast defenses

SEAMANSHIP

see also Knots and splices

—COLD WEATHER CONDITIONS

Ice breaker (*Motion picture*) U. S. Dept. of the Navy, 1952.

Operations in sea ice: Convoy operations in sea ice (*Motion picture*) U. S. Dept. of the Navy, 1954.

SEAMEN

—EDUCATION, NON-MILITARY see Soldiers—Education, Non-military

SEAPLANES

see also Amphibian planes; Planing hulls

—LAUNCHING

Launching (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

—MAINTENANCE AND REPAIR

Emergency seaplane repair (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

SEARCH AND RESCUE OPERATIONS

Search and rescue scanning and sighting techniques (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Search operations (*Motion picture*) U. S. Dept. of the Air Force, 1961.

SEARCHES AND SEIZURES

Apprehension and search of persons (*Motion picture*) U. S. Dept. of the Army, 1956.

The search (*Motion picture*) U. S. Dept. of the Army, 1959.

SECONDARY NUCLEAR AUXILIARY POWER see Project S N A P

SECRET DEFENSE INFORMATION see Defense information, Classified

SECURITY, INTERNATIONAL

see also Mutual security program, 1951- ; Peace

Will for peace (*Motion picture*) U. S. Dept. of the Army, 1961. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1962.

SECURITY MEASURES, INDUSTRIAL see Industry—Security measures

SECURITY OFFENSES see Subversive activities

SEEDS

Better seeds for better grasslands (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Harvesting native grass seed (*Motion picture*) U. S. Dept. of Agriculture, 1945.

SEIZURES see Searches and seizures

SELECTIVE SERVICE see Military service, Compulsory

SELF-GOVERNMENT see Democracy

SELF-RESPECT

Personal integrity (*Motion picture*) U. S. Dept. of the Army, 1958.

SELF-SACRIFICE

Sacrifice: Sentimental journey (*Motion picture*) U. S. Dept. of the Army, 1958.

SEMICONDUCTOR DEVICES see Transistors

SEMIOLOGY

see also Diagnosis

Vital signs. Part 1: Cardinal symptoms (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

Vital signs. Part 2: Taking temperature, pulse, and respiration (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

Vital signs. Part 3: Taking blood pressure (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

SENIOR CITIZENS see Aged

SENSITOMETRY, PHOTOGRAPHIC see Photographic sensitometry

SEPARATION OF ISOTOPES see Isotope separation

SEPTIC TANKS

Constructing a typical household system (*Motion picture*) U. S. Public Health Service, 1952.

Principles of operation and design (*Motion picture*) U. S. Public Health Service, 1952.

SERIGRAPHY

Hasty sign making (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

SERRA, JUNÍPERO, FATHER, 1713-1784

Rosary of the missions (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Pictures of California. Released for public educational use in the United States through U. S. Office of Education, 1954.

SEVENTEEN-YEAR LOCUST see Periodical cicada

SEWAGE

—PURIFICATION

Activated sludge plant with vacuum filtration and incineration (*Filmstrip*) U. S. Public Health Service, 1950.

Chemical precipitation treatment plants with two-stage digestion (*Filmstrip*) U. S. Public Health Service, 1950.

Municipal sewage treatment processes (*Motion picture*) U. S. Public Health Service, 1951.

Primary treatment plants (*Filmstrip*) U. S. Public Health Service, 1950.

Trickling filter plants (*Filmstrip*) U. S. Public Health Service, 1950.

SEWAGE DISPOSAL

see also Refuse and refuse disposal; Septic tanks; Water—Pollution

Constructing a sanitary pit privy (*Motion picture*) U. S. Public Health Service, 1949.

Constructing a sanitary pit privy (*Filmstrip*) U. S. Public Health Service, 1949.

Constructing a typical household system (*Motion picture*) U. S. Public Health Service, 1952.

Farm water systems (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

Principles of operation and design (*Motion picture*) U. S. Public Health Service, 1952.

SEXTANT

Aerial sextant, type A-7 (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Celestial instruments. Part 2: Aerial sextants (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

The link sextant, air (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

The Pioneer bubble sextant, Mark 5, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

The Pioneer bubble sextant, Mark 5. Part 2: Averaging device, adjustments, and practical use (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

The sextant (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

The sextant, surface (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

SEXUAL ETHICS

see also Hygiene, Sexual

To be held in honor (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Universal Productions. Released for public educational use through U. S. Office of Education, 1951.

SHAPE see Supreme Headquarters, Allied Powers, Europe

SHAPERS

El cepillo limador (*Motion picture*) U. S. Office of Education [1959?]

Corte de ranura al extremo de un eje terminado (*Motion picture*) U. S. Office of Education [1959?]

Cutting a keyway on end of a finished shaft (*Motion picture*) U. S. Office of Education, 1941. Made by Emerson Yorke Studio.

Cutting a keyway on end of a finished shaft (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Cutting grooves with circular saw blades (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Cutting grooves with circular saw blades (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Fabricación de un bloque rectángular de hierro fundido (*Motion picture*) U. S. Office of Education [1959?]

Feuillurage et toupillage d'un champ sur un matériel droit (*Motion picture*) U. S. Office of Education, 1951.

Machining a cast iron rectangular block (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

Machining a cast iron rectangular block (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Machining a tool steel V block (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

Machining a tool steel V block (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Rabbeting and shaping an edge on straight stock (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Rabbeting and shaping an edge on straight stock (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

The shaper (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The shaper (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

The shaper (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Shaping after template and shaping curved edges (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Shaping after template and shaping curved edges (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

SHEARS (MACHINE-TOOLS)

Blanking sheet metal on the squaring shear (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Blanking sheet metal on the squaring shear (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Blanking with rotary and high speed shears (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Blanking with rotary and high speed shears (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

SHEEP

see also Ewes

Tailor-made sheep (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—DISEASES

Blue tongue (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Defense Administration and California Dept. of Agriculture, 1954.

Psoroptic sheep and cattle scabies (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Scrapie (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration and California Dept. of Agriculture, 1954.

SHEEP BREEDING

Beltsville newsreel, no. 14 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

SHEEP BREEDS

Breeds of sheep (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

SHEEP-SHEARING

Sheep shearing (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Sheep shearing (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

SHEET-METAL WORK

see also Metal-spinning

Assembling in a jig: Drilling and riveting (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Drilling and riveting (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Fitting and lining up (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Assembling in a jig: Fitting and lining up (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Blanking and piercing (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

Blanking sheet metal on the squaring shear (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Blanking sheet metal on the squaring shear (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Blanking sheet metal with hand snips (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Blanking sheet metal with hand snips (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

Blanking with rotary and high speed shears (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Blanking with rotary and high speed shears (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Blanking with the swing arm router (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Blanking with the swing arm router (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Dimpling and countersinking (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Dimpling and countersinking (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Drawing, stretching, and stamping (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

Drilling with portable drill motors (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

SHEET-METAL WORK (Continued)

Drilling with portable drill motors (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Driving and bucking rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Driving and bucking rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization

Fabricating metal aircraft (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Fabricating metal aircraft (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Filing template metal (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Filing template metal (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

Finish forming by hand (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Finish forming by hand (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

Forming on a hand operated brake (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Forming on a hand operated brake (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Forming on rotary machines (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Forming on rotary machines (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Forming on the stretching machine (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Forming on the stretching machine (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Forming with a drop hammer (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Forming with a drop hammer (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Forming with rubber on the hydraulic press (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Forming with rubber on the hydraulic press (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

Making a master contour template (*Motion picture*) U. S Office of Education, 1944. Made by Bray Studios.

Making a master contour template (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a master developed layout, part 1 (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a master developed layout, part 1 (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a master developed layout, part 2; and making the form block (*Motion picture*) U. S. Office of Education. 1944. Made by Bray Studios.

Making a master developed layout, part 2; and making the form block (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Making sheet metal repairs (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Making sheet metal repairs (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

Removing defective rivets (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Removing defective rivets (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

Sand bag bumping (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

Sawing template metal (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Sawing template metal (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

Spinning (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America. 1944.

Squeeze riveting: Stationary and portable riveters (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Squeeze riveting: Stationary and portable riveters (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

The transition piece: Square to round layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Tube and shape bending (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

Vaned elbow: Layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Vaned elbow: Layout and fabrication (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Watertight covers (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Watertight covers. Part 1: Layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Watertight covers. Part 2: Assembly (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—PATTERN-MAKING

The transition piece: Square to round layout and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Transition piece: Square to round layout and fabrication (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

—TESTING

Inspection of minor assemblies (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of minor assemblies (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of sheet metal parts (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

Inspection of sheet metal parts (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

SHELL-HEAPS see Kitchen-middens

SHELTERS, AIR RAID see Air raid shelters

SHELTERS, ATOMIC BOMB see Atomic bomb shelters

SHINBONE see Tibia

SHIP-BUILDING

see also Hulls (Naval architecture); Marine engines; Propellers; Shipfitting; Ships—Brazing; Ships, Iron and steel; Steering-gear

Bending oak techniques (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Eastern Sound Studios. Released for public educational use through U. S. Office of Education, 1950.

Establishing construction lines, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Establishing construction lines, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

Fundamental lines and sections (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Fundamental lines and sections (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Lifting templates for a foundation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Lifting templates for a foundation (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Location of decks and compartments (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Location of decks and compartments (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Shipbuilders of Essex (*Motion picture*) U. S. Dept. of State, 1949. Made by Joseph Krumgold. Released for educational use in the United States through U. S. Office of Education, 1950.

Ship's blueprints: Basic (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Ship's blueprints: Basic (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Simple foundation (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

Simple foundation. Part 1: Layout (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Simple foundation. Part 3: Assembly and installation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SHIP MAINTENANCE see Ships—Maintenance and repair

SHIP PROPULSION

see also Propellers

Cycloidal and hydraulic jet propulsion (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

Ships' propulsion transmission system: Clutches and couplings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

SHIPFITTING

see also Hulls (Naval architecture)

The bulkhead: Laying off and fitting a centerline stiffener (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

The bulkhead: Laying off and fitting a centerline stiffener (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The bulkhead: Setting a transverse watertight bulkhead into the hull (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

The bulkhead: Setting a transverse watertight bulkhead into the hull (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Deck girders: Subassembly (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

Deck girders: Subassembly (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.

Deck plates: Regulating and setting (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

Deck plates: Regulating and setting (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The deck: Setting a web frame and a transverse beam (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

The deck: Setting a web frame and a transverse beam (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

SHIPFITTING (Continued)

Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

The innerbottom: Setting up floors and longitudinals (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

The innerbottom: Setting up floors and longitudinals (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

Side frames: Subassembly of a web frame (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

Side frames: Subassembly of a web frame (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.

Simple foundation. Part 2: Duplication and fabrication (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SHIPMENT OF GOODS

see also Materials handling; Packaging; Packing for shipment

Importance of military packaging (*Motion picture*) U. S. Dept. of the Navy, 1953.

Packaging and packing: Cushioning, blocking and bracing, part 1 (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Cushioning, blocking and bracing, part 2 (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Cushioning, blocking and bracing, part 3 (*Filmstrip*) U. S. Dept. of the Army, 1960.

Packaging and packing: Marking (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Unsheathed crates (*Filmstrip*) U. S. Dept. of the Army, 1960.

Shipment of household goods (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sarra, inc. Released for public educational use through U. S. Office of Education, 1954.

SHIPPING

see also Coastwise shipping; Inland navigation; Merchant marine; Unitized cargo systems

Lake carrier (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

Story of the Great Lakes (*Motion picture*) U. S. Coast Guard, 1954.

SHIPPINGPORT, PA. NUCLEAR POWER STATION

Power and promise (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Mode-Art Pictures.

SHIPS

see also Ice-breaking vessels; Merchant marine; Navigation; Seamanship; Submarine boats: Tank-vessels

Radiological defense in civilian-manned ships (*Motion picture*) U. S. Dept. of the Navy, 1960.

—BRAZING

Silver brazing techniques: Specific applications (*Motion picture*) U. S. Dept. of the Navy, 1953.

—CARGO

see also Cargo handling

Prevention of pilferage. Part 2: On ships and wharves (*Motion picture*) U. S. Dept. of the Army, 1951.

—LAUNCHING

Fitting and installing packing (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education. 1948.

Fore poppets and internal shoring construction (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Fore poppets and internal shoring construction (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

Ground ways (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Placing sliding ways (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Preparation for stern launching, DD445 class (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Stern launching, DD445 class (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

—MAINTENANCE AND REPAIR

see also Damage control (Warships)

Naval shipyards serve the fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

Removing a section of piping aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—MASTS AND RIGGING see Masts and rigging

—PAINTING

Painting ships bottoms: Hot and cold plastic anti-fouling paint (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

Painting ships bottoms: Sandblasting (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

Topside painting: Application (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

Topside painting: Preparation (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

—PIPE-FITTING see Marine pipe-fitting

—RADIO see Radio—Installation on ships; Radio in navigation

—SANITATION

Shipboard inspection by medical department personnel: Food storage (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Shipboard inspection by medical department personnel: Living and working spaces (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Shipboard inspection by medical department personnel: Water supply (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

—TERMINOLOGY

Fundamental lines and sections (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Fundamental lines and sections (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Location of decks and compartments (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

Ship's nomenclature (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

—WATER-SUPPLY

Shipboard inspection by medical department personnel: Water supply (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

SHIPS, ELECTRICITY ON see Electricity on ships

SHIPS, IRON AND STEEL

Simple foundation (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

SHIPS' LIGHTS

see also Collisions at sea—Prevention

City of Rome incident (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Lights, running and anchor (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Lights, vessels being towed (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Special lights (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Towing lights (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

SHIPWRECKS

see also Collisions at sea; Life-saving; Life-saving apparatus; Survival (after aeroplane accidents, shipwrecks, etc.)

Small boat disaster prevention (*Motion picture*) U. S. Dept. of the Navy, 1951.

SHIPWRIGHT

Preparing and setting a keelblock and bottom cradle (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

Preparing and setting a keelblock and bottom cradle (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

SHOCK

Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock) (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Film Graphics.

SHOOTING

see also Firearms; Gunnery; Rifle practice

Trigger squeeze, M1 rifle (*Motion picture*) U. S. Dept. of the Army, 1955.

SHOOTING, MILITARY

see also Artillery; Ballistics; Explosives

Combat firing with hand guns (*Motion picture*) U. S. War Dept., 1944.

SHOP PRACTICE see Machine-shop practice

SHOPPERS' GUIDES see Consumer education; Shopping

SHOPPING

see also Marketing (Home economics)

How America shops (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

SHORING AND UNDERPINNING

see also Scaffolding

ABC warfare defense ashore: Rescue operations; lifting devices, shoring (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

SHORT WAVE RADIO see Radio, Short wave

SHOULDER

—SURGERY

Surgical approaches to the scapulohumeral joint (*Motion picture*) U. S. Veterans Administration, 1949. Made by Churchill-Wexler Film Productions.

SHOVELS

Crane shovel unit, Bucyrus Erie, crawler mounted; adjustment of main operating clutches and brakes (*Motion picture*) U. S. Dept. of the Army, 1957.

SHRIMPS

Shrimp please (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the shrimp industry of Louisiana and Mississippi, 1954. Made by Byron, inc.

SICK

see also Diet-kitchens; Hospitals; Nurses and nursing

Basic care of patients. Part 4: Physical comforts (*Motion picture*) U. S. Dept. of the Army, 1957.

Vigil of Jenny Fay (*Motion picture*) U. S. Public Health Service, 1952. Made by Craven Film Corp.

SIGHT see Vision

SIGNALS AND SIGNALING

see also Aids to navigation; Collisions at sea—Prevention; Flags; Fog-signals; Military telegraph; Military telephone; Morse code; Rule of the road at sea; Ships' lights

Crossing at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Crossing steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Meeting at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Meeting steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Overtaking at night (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Overtaking situation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

Radio navigation: The radio range (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

Use of radio and visual signaling devices (*Motion picture*) U. S. Coast Guard, 1947. Made by Loucks-Churm. Released for public educational use through U. S. Office of Education, 1950.

Visual day signals (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Whistle signals for approaching steam vessels (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

SIGNED NUMBERS

Beginning algebra I, lecture 7: Statistical averages; addition and subtraction of directed numbers (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra I, lecture 8: Multiplication and division of directed numbers (*Motion picture*) U. S. Dept. of Defense, 1956.

SILICATES

Dental materials: Specification and certification (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.

A method of mixing silicate cement (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1953.

Silicate cement (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1947.

SILK SCREEN PROCESS see Serigraphy

SILOS

Beltsville newsreel, no. 3 (*Motion picture*) U. S. Dept. of Agriculture, 1956.

SILVER BRAZING

Silver brazing techniques: General methods (*Motion picture*) U. S. Dept. of the Navy, 1953.

Silver brazing techniques: Specific applications (*Motion picture*) U. S. Dept. of the Navy, 1953.

SIMULTANEOUS EQUATIONS see Equations, Simultaneous

SINGLE-SIDEBAND RADIO see Radio, Single-sideband

SKIN

see also Scalp

—DISEASES

Color changes and skin lesions in peripheral vascular diseases (*Motion picture*) U. S. Veterans Administration, 1951.

Dermatology and syphilology. Part 3: Bacterial skin infections (*Filmstrip*) U. S. Dept. of the Army, 1957.

Dermatology and syphilology. Part 4: Dermatitis and allergy (*Filmstrip*) U. S. Dept. of the Army, 1957.

SKIN-DIVING see Diving, Submarine

SKIN-GRAFTING

Management of burns, part 3: Skin grafting (*Motion picture*) U. S. Dept. of the Army, 1959.

SKIS AND SKIING

Cold weather saubee (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Reid H. Ray Film Industries.

Ski safety (*Motion picture*) U. S. War Dept., 1942.

Ski safety: First aid and emergency repair of equipment (*Motion picture*) U. S. War Dept., 1942.

SKULL

see also Head; Jaws

—SURGERY

Technique of tantalum cranioplasty (*Motion picture*) U. S. Dept. of the Army, 1948.

SLABS, CONCRETE see Concrete slabs

SLASH (LOGGING)

Use of fire in slash disposal (*Motion picture*) U. S. Dept. of Agriculture, 1960.

SLAVERY IN THE U. S.

—ANTI-SLAVERY MOVEMENTS

American history I, lecture 12: Changes in American society and culture (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 14: The slavery issue leads to Southern secession (*Motion picture*) U. S. Dept. of Defense, 1956.

SLEEPING-SICKNESS

Insect repellent, part 2 (*Motion picture*) U. S. Dept. of the Army, 1954.

SLEEPLESSNESS see Insomnia

SLIDE-RULE

Slide rule operation and application. Part 3: Solving special basic problems (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

The slide rule: Proportion, percentage, squares, and square roots (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

The slide rule: Proportion, percentage, squares, and square roots (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

The slide rule: The "C" and "D" scales (*Motion picture*) U. S. Office of Education, 1943. Made by Loucks and Norling Studios.

The slide rule: The "C" and "D" scales (*Filmstrip*) U. S. Office of Education, 1943. Made by Loucks and Norling Studios.

SLIDEFILMS see Filmstrips

SLINGS

Slinging load (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SMALL ARMS see Firearms

SMALL BUSINESS

How to live with an Air Force contract (*Motion picture*) U. S. Dept. of the Air Force, 1957.

SMALLPOX

Smallpox vaccination (*Filmstrip*) U. S. Dept. of the Army, 1947.

—PREVENTION

see also Vaccination

Vaccinate against smallpox (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Variola (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

La viruela (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

SMALLPOX, INOCULATION OF

Military immunization: Smallpox vaccination (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Depicto Films Corp.

SMITHSONIAN INSTITUTION

Let's visit the Smithsonian (*Filmstrip*) Smithsonian Institution, 1957.

SMOG

Smog: The Pittsburgh story (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

SNAILS

Australorbis glabratus, vector of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.

Eggs and miracidia of Schistosoma mansoni (*Motion picture*) U. S. Public Health Service, 1947.

SNAKE POISONS see Venom

SNAKE RIVER

The Columbia: River of planned destiny (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.

SNAP PROJECT see Project S N A P

SNOW

see also Avalanches; Building, Ice and snow

Snow harvest (*Motion picture*) U. S. Dept. of Agriculture, 1946.

SNOW SURVEYS

Crevasse location and mapping (*Motion picture*) U. S. Army Engineers, 1958.

Snow survey (*Motion picture*) U. S. Dept. of Agriculture, 1954.

SNOWSHOES AND SNOWSHOEING

Cold weather saubee (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Reid H. Ray Film Industries.

SOCIAL CENTERS see Community centers

SOCIAL GROUPS

see also Leadership

Group living (*Motion picture*) U. S. Dept. of the Army, 1960.

SOCIAL HYGIENE see Venereal diseases

SOCIAL SECURITY see Insurance, Social

SOCIAL SERVICE

see also Community organization; Federations, Financial (Social service); Medical social work; Military social work

A community advisory service (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

Head of the house (*Motion picture*) U. S. Information Agency, 1953. Made by Mental Health Film Board. Released for public educational use in the United States through U. S. Office of Education, 1954.

SOCIAL WORKERS

The social worker (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

SODIUM GRAPHITE REACTORS

Sodium graphite reactor progress report (*Motion picture*) U. S. Atomic Energy Commission, 1956. Made by North American Aviation.

Sodium reactor experiment (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Atomics International.

Sodium reactor experiment fabrication (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by North American Aviation.

SOIL ABSORPTION

Appraising soils for soil absorption systems (*Motion picture*) U. S. Public Health Service, 1953.

SOIL BANK PROGRAM

Your soil bank (*Motion picture*) U. S. Dept. of Agriculture, 1957.

SOIL BINDING

The dust is dying (*Motion picture*) U. S. Dept. of Agriculture, 1961.

SOIL CONSERVATION

see also Cover crops; Erosion; Soil-binding

America the beautiful (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

Como cuidar da terra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Conservação do solo (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Conservación de la tierra fértil (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Corn belt farmers fight erosion (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Developing pastures establishing alfalfa under wind erosion hazard (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

The dust is dying (*Motion picture*) U. S. Dept. of Agriculture. 1961.

Erosion (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Establishment and maintenance of grassed waterways (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

First things first (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

Food and soil (*Motion picture*) U. S. Dept. of Agriculture, 1945.

From the ground up (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Plant Food Institute, 1955.

Grass: The big story (*Motion picture*) U. S. Dept. of Agriculture, 1953.

The great flood (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

Harvesting native grass seed (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Harvests for tomorrow (*Motion picture*) U. S. Dept. of Agriculture, 1941.

Hay que alimentar la tierra (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

A heritage we guard (*Motion picture*) U. S. Dept. of Agriculture, 1940.

In common cause (*Motion picture*) U. S. Dept. of Agriculture, 1945.

The land and the Book (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

The land must eat (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Our magic land (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the U. S. Dept. of the Interior and the Boy Scouts of America, 1957.

Preventing wind erosion on the Great Plains: Economic problems (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Planting grasses (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Range grazing practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Stubble mulch farming (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Tillage practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Tree windbreaks (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Raindrops and soil erosion (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Rebuilding with grass (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Save the soil (*Motion picture*) U. S. Dept. of Agriculture, 1940.

Soil and water conservation (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Soil and water conservation by the beaver (*Filmstrip*) U. S. Dept. of Agriculture, 1938

Soil conservation benefits wildlife (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Soil conservation is your business (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

Soil erosion and its control in orchards (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

Soil erosion in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

Strip cropping for wind erosion control and vetch in corn for soil improvement (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Topsoil (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Tree planting and land use (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

Upstream where floods begin (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Water (*Motion picture*) U. S. Dept. of Agriculture, 1948.

Weatherproofing Baca County (*Motion picture*) U. S. Dept. of Agriculture, 1963.

Wildlife and soil conservation (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Wildlife management through soil conservation in the northeast (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Wind erosion control under irrigation (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Wind erosion; its control on the southern Great Plains (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

Your soil, your future (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

—JUVENILE FILMS

The golden secret (*Motion picture*) U. S. Dept. of Agriculture, 1946.

—STUDY AND TEACHING

Conservation vistas (*Motion picture*) U. S. Dept. of Agriculture, 1959.

SOIL CULTIVATION see Tillage

SOIL EROSION see Erosion

SOIL FUNGI see Soil micro-organisms

SOIL MECHANICS

Soil explorations (*Motion picture*) U. S. Army Engineers, 1951.

Soil tests for earth construction (*Motion picture*) U. S. Army Engineers, 1951.

SOIL MICRO-ORGANISMS

Fungi snare and destroy nematodes (*Motion picture*) U. S. Dept. of Agriculture, 1940.

SOIL-SURVEYS

see also Soils—Classification

From the ground up (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Plant Food Institute, 1955.

SOILS

see also Burning of land; Compost; Mulching; Reclamation of land; Tillage

Topsoil (*Motion picture*) U. S. Dept. of Agriculture, 1948.

—ANALYSIS

Soil tests for earth construction (*Motion picture*) U. S. Army Engineers, 1951.

—CLASSIFICATION

Farm to fit your land (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Know your land (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

Soil explorations (*Motion picture*) U. S. Army Engineers, 1951.

SOLAR COMPASS

Operation of the astro-compass (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Secondary uses of the astro-compass (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

SOLDER AND SOLDERING

see also Brazing; Welding

Hand soldering (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

Hand soldering (Filmstrip) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

High frequency soldering (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

High frequency soldering (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

Joining solid conductors (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Joining solid conductors (*Filmstrip*) U. S. Office of Education, 1945. Produced by Ray-Bell Films.

Making a wrapped and soldered splice (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Making a wrapped and soldered splice (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Soldadura con cautin (*Motion picture*) U. S. Office of Education, [1959?].

SOLDER AND SOLDERING (Continued)

Soldering lugs and splicing stranded conductors (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Soldering lugs and splicing stranded conductors (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

Tinning and solder wiping (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Tinning and solder wiping (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

SOLDIERS

see also Military art and science; Veterans

Citizen in arms (*Motion picture*) U. S. Dept. of the Army, 1948.

Code of conduct. Article 1: Our heritage (*Motion picture*) U. S. Dept. of the Army, 1960.

The long rifle (*Motion picture*) U. S. Dept. of the Army, 1951.

Ring of steel (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

—CIVIL EMPLOYMENT see Veterans —Employment

—CIVIL STATUS

Your personal affairs officer (*Motion picture*) U. S. Dept. of the Air Force, 1962.

—EDUCATION, NON-MILITARY

Keep on learning (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

Keeping informed (*Motion picture*) U. S. Dept. of Defense, 1962.

Troop information and education in the field (*Motion picture*) U. S. Dept. of the Army, 1953.

—HYGIENE see Military hygiene

—RECREATION

Army crafts program (*Filmstrip*) U. S. Dept. of the Army, 1953.

Once too often (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

Recreation center operation (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

Recreation leadership (*Motion picture*) U. S. Dept. of the Army, 1953.

The soldier at leisure (*Motion picture*) U. S. Dept. of the Army, 1952.

U. S. Army service clubs (*Filmstrip*) U. S. Dept. of the Army, 1954.

—RELIGIOUS LIFE

As deep as the heart (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

SOLDIERS' BODIES, DISPOSITION OF

For your own (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Your proudest duty (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1951.

SOLUBLE FERMENTS see Enzymes

SONAR

Introduction to underwater sound (*Motion picture*) U. S. Dept. of the Navy, 1959

Sonar detecting ranging set AN/PQS-1, operation (*Motion picture*) U. S. Dept. of the Navy, 1960.

SOPORIFICS see Narcotics

SOUND

see also Noise; Underwater acoustics; Vibration

Operation of industrial hygiene survey equipment: The sound analyzer (*Motion picture*) U. S. Dept. of the Air Force, 1957.

SOUND NAVIGATION AND RANGING see Sonar

SOUNDING AND SOUNDINGS

see also Bathythermograph

The fathometer (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

Hydrography for charting: Sounding and dragging (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

The lead line, fathometer (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

SOUTH AMERICA

Good neighbor family (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

SOUTHERN STATES

American history I, lecture 16: The Southern States are restored to the Union (*Motion picture*) U. S. Dept. of Defense, 1956.

SOUTHWEST, NEW

And now Miguel (*Motion picture*) U. S. Information Agency, 1953. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1954.

Towers above the sand (*Motion picture*) U. S. Army Engineers, 1954.

SOVIET BLOC see Communist countries

SOVIET UNION see Russia

SOY-BEAN

Types of damaged kernels and other conditions (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

SOY-BEAN OIL

Beltsville newsreel, no. 16 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

SPACE, OUTER see Outer space

SPACE BIOLOGY

Man and space (*Motion picture*) U. S. Dept. of the Air Force, 1963.

SPACE COMMUNICATION SYSTEMS see Astronautics—Communication systems

SPACE EXPLORATION (ASTRONAUTICS) see Outer space—Exploration

SPACE FLIGHT

see also Astrodynamics; Astronautics; Space trajectories

Challenge of outer space (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Performance of long range hypervelocity vehicles (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

Space guidance and control (*Motion picture*) U. S. Dept. of the Air Force, 1959.

SPACE FLIGHT TO MARS

Space navigation (*Motion picture*) U. S. Dept. of the Air Force, 1959.

SPACE MEDICINE

Man and space (*Motion picture*) U. S. Dept. of the Air Force, 1963.

Man in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.

SPACE-PERCEPTION

see also Orientation

Spatial disorientation in flight (*Motion picture*) U. S. Dept. of the Air Force, 1958.

SPACE ROCKETS see Space vehicles

SPACE SHIPS

Performance of long range hypervelocity vehicles (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

Space guidance and control (*Motion picture*) U. S. Dept. of the Air Force, 1959.

SPACE SUITS see Pressure suits

SPACE TELECOMMUNICATIONS see Astronautics—Communication systems

SPACE TRAJECTORIES

Space orbits (*Motion picture*) U. S. Dept. of the Air Force, 1960.

SPACE VEHICLES

see also Artificial satellites; Astronautics

Modern manufacturing—command performance (*Motion picture*) U. S. Dept. of the Air Force, 1963.

—ATOMIC POWER see Space vehicles—Nuclear power plants

—NUCLEAR POWER PLANTS

Nuclear reactors for space (*Motion picture*) Atomic Energy Commission. Made and released by Atomics International Division, North American Aviation, 1961.

—TRAJECTORIES see Space trajectories

SPAIN

Spain (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

SPANISH AMERICA

The near horizon (*Motion picture*) U. S. Information Agency, 1955. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1955.

—POLITICS—1948-

Latin America (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

—RELATIONS (GENERAL) WITH THE U. S.

American history II, lecture 9: America's relations with her neighbors to the south (*Motion picture*) U. S. Dept. of Defense, 1956.

SPANISH-AMERICAN WAR, 1898 see U.S. —History—War of 1898

SPANISH LANGUAGE

—STUDY AND TEACHING

Audio-lingual techniques for teaching foreign languages—Spanish (*Motion picture*) U. S. Office of Education, 1962. Made by Yale University.

SPANISH MISSIONS OF CALIFORNIA

Rosary of the missions (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Pictures of California. Released for public educational use in the United States through U. S. Office of Education, 1954.

SPANNERS see Wrenches

SPARK-PLUGS

Ignition and spark plug (*Motion picture*) U. S. Army Air Forces, 1944.

Servicing spark plugs and ignition wiring (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Servicing spark plugs and ignition wiring (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

SPEAKING see Oratory

SPECTROMETER

Optical inspection methods, part 2 (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

SPEECH

see also Oral communication

Articulatory movements in the production of English speech sounds. Part 1: Consonants (*Motion picture*) U. S. Veterans Administration, 1953.

Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides (*Motion picture*) U. S. Veterans Administration, 1954.

SPEECH, LIBERTY OF see Liberty of speech

SPEECH-READING see Deaf—Means of communication

SPEED LIMITS

Motor vehicle spot speed studies: Setting up mirror boxes (*Motion picture*) U. S. Dept. of the Army, 1956.

SPINAL COLUMN see Spine

SPINAL CORD

see also Nervous system; Reflexes

—WOUNDS AND INJURIES

Early care of the patient with a spinal cord injury (*Motion picture*) U. S. Dept. of the Army, 1960.

Management of spinal cord injury cases (*Motion picture*) U. S. Veterans Administration, 1947.

Neurosurgery: Management of spinal cord injuries (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

SPINAL THERAPY see Spondylotherapy

SPINE

—PUNCTURE

Lumbar puncture (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

—SURGERY

Surgical approaches to the spine and sacroiliac (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

SPINNING, METAL see Metal-spinning

SPIROCHETES

Introduction to the fluorescent treponemal antibody test (*Motion picture*) U. S. Public Health Service, 1959.

SPLENIC VEIN

—RADIOGRAPHY

Splenoportography (*Motion picture*) U. S. Dept. of the Army, 1961.

SPLICING see Knots and splices

SPLINTS (SURGERY)

Applying the army leg splints (*Filmstrip*) U. S. War Dept., 1945.

Construction of screw lock sectional splint (*Motion picture*) U. S. Dept. of the Army, 1947.

Intramaxillary multiple loop wiring in treatment of jaw fractures (*Motion picture*) U. S. Dept. of the Army, 1951.

Skeletal fixation by the Stader splint, fractures of the os calcis (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.

Skeletal fixation by the Stader splint, fractures of the tibia (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.

SPONDYLOTHERAPY

Convalescent care and rehabilitation of patients with injury to the spinal cord (*Motion picture*) U. S. War Dept., 1946.

SPORTS

see also Aquatic sports; Olympic games; Outdoor life; Track-athletics; Winter sports

I & E sportsreel, no. 200 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 201 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 202 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 203 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 204 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 205 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 206 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 207 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 208 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army

I & E sportsreel, no. 211 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 212 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 213 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 215 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 216 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 217 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 218 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 219 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 220 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 221 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 223 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 224 (*Motion picture*) U. S. Dept. of Defense, 1958.

I & E sportsreel, no. 225 (*Motion picture*) U. S. Dept. of Defense, 1958.

I & E sportsreel, no. 226 (*Motion picture*) U. S. Dept. of Defense, 1958.

I & E sportsreel, no. 227 (*Motion picture*) U. S. Dept. of Defense, 1958.

I & E sportsreel, no. 228 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 229 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 230 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 231 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 232 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 233 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 234 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 235 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 236 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 237 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E sportsreel, no. 238 (*Motion picture*) U. S. Dept. of Defense, 1959.

SPOT WELDING see Electric welding

SPRAY PAINTING

Spray-painting equipment (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

Using a portable spray gun (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

Using a portable spray gun (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

SPRAYING

see also Aeronautics in mosquito control; Insecticides

Flame spraying of thiokol (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

Space spraying of insecticides (*Motion picture*) U. S. Public Health Service, 1961.

Spraying equipment and procedures. Part 1: Residual spraying (*Motion picture*) U. S. Public Health Service, 1951.

SPRAYING EQUIPMENT

Space spraying of insecticides (*Motion picture*) U. S. Public Health Service, 1961.

SPRINKLING SYSTEMS see Fire sprinklers

SPRUCE BUD-WORM

The silent killer (*Motion picture*) U. S. Dept. of Agriculture, 1959.

SPUTUM

Collection of sputum specimens (*Filmstrip*) U. S. Public Health Service, 1953.

Preparation of sputum specimens (*Motion picture*) U. S. Public Health Service, 1949.

Preparation of sputum specimens (*Filmstrip*) U. S. Public Health Service, 1949.

SQUARE ROOT

see also Roots, Numerical

Beginning algebra II, lecture 12: Powers, roots, and radicals (*Motion picture*) U. S. Dept. of Defense, 1956.

STABILITY OF AEROPLANES

Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

Investigations of dynamic stability and controllability in the Langley free-flight tunnel (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

STABILITY OF HELICOPTERS

see also Automatic pilot (Helicopters); Helicopters—Handling characteristics

Helicopter: Vibrations and resonance. Part 1: Vibrations in the H-13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Vibrations and resonance. Part 2: Vibrations in the H-19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Vibrations and resonance. Part 3: Vibrations in the H-21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Vibrations and resonance. Part 4: Ground resonance (*Motion picture*) U. S. Dept. of the Air Force, 1957.

STAGING (CONSTRUCTION) see Scaffolding

STAINLESS STEEL see Steel, Stainless

STAINS AND STAINING (MICROSCOPY)

The preparation of hematoxylin stained smears for diagnosis of intestinal protozoa (*Filmstrip*) U. S. Public Health Service, 1950.

STAIR BUILDING

Fundamentals of stair layout (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

STAIRCASES

Fundamentals of stair layout (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

STALLING (AERODYNAMICS)

Helicopter: Emergency procedures. Part 3: Emergency procedures in the H–19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Slow-speed flight characteristics of swept-wing aircraft (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Caravel Films.

STAMINA, PHYSICAL see Physical fitness

STANDARD TIME see Time—Systems and standards

STANDARDIZATION

see also Quality control; Testing

Keep 'em running (*Motion picture*) U. S. Army Engineers, 1953.

Standardization (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Academy Pictures.

STANDARDS OF MASS

Testing mass standards by substitution (*Motion picture*) U. S. National Bureau of Standards, 1956.

STAPHYLOCOCCAL DISEASE

Epidemiology of staphylococcal infection (*Motion picture*) U. S. Public Health Service, 1958.

Epidemiology of staphylococcal infection (*Filmstrip*) U. S. Public Health Service, 1958.

Prevention and control of staphylococcal infections (*Motion picture*) U. S. Public Health Service, 1958.

Staphylococcal disease: Manifestations, prevention and control (*Filmstrip*) U. S. Public Health Service, 1959.

STAPHYLOCOCCUS

An outbreak of Staphylococcus intoxication (*Motion picture*) U. S. Public Health Service, 1954.

STARS

see also Astronomy; Constellations

Star identification (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

STATE AND AGRICULTURE and Agriculture and state

STATE AND INDUSTRY see Industry and state

STATE VISITS see Visits of state

STATES, NEW

Africa (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

STATISTICAL DESIGN see Experimental design

STATISTICAL METHODS see Experimental design

STATISTICS OF SAMPLING see Sampling (Statistics)

STEALING

Prevention of pilferage. Part 1: Depots and warehouses (*Motion picture*) U. S. Dept. of the Army, 1952.

Prevention of pilferage. Part 2: On ships and wharves (*Motion picture*) U. S. Dept. of the Army, 1951.

STEAM

The boiler (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

STEAM-BOILERS

see also Feed-water; Injectors; Steam-engines

Boiler repair, water side: Removing boiler tubes (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

STEAM-BOILERS, MARINE

The boiler (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Boiler repair, water side: Closing the boiler (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repair, water side: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repair, water side: Replacing boiler tubes (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repairs, fire side: Building walls and floors (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repairs, fire side: High temperature castable refractories (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repairs, fire side: Installing plastic chrome ore (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repairs, fire side: Installing plastic fire brick (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

STEAM-BOILERS, WATER-TUBE

Boiler repair, water side: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repair, water side: Removing boiler tubes (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

Boiler repair, water side: Replacing boiler tubes (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

STEAM-ENGINES

see also Condensers (Steam), Indicators for steam-engines; Locomotives; Marine engines; Steam-turbines

Basic principles of the reciprocating engine (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Marine installations (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Reciprocating engine construction (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

—VALVE-GEARS

Valve types and reversing gears (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

STEAM-ENGINES, MARINE see Marine engines; Steam-turbines, Marine

STEAM-FITTING see Pipe-fitting

STEAM-INJECTORS see Injectors

STEAM-PIPE COVERINGS

Covering hot and cold pipes (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

Covering hot and cold pipes (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

STEAM-POWER PLANTS

see also Boiling water reactors

TVA builds Johnsonville steam plant (*Motion picture*) TVA, 1954.

STEAM-TURBINES

Naval steam turbines: How turbines work (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks & Norling.

Naval steam turbines: The steam cycle (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Loucks & Norling.

Steam turbine construction (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Turbine operation (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

STEAM-TURBINES, MARINE

Naval steam turbines: Turbine casualties (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks and Norling Studios.

STEAMBOATS

—VIBRATION see Vibration (Marine engineering)

STEEL

—HEAT TREATMENT

Elements of hardening (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Elements of hardening (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Elements of surface hardening (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Elements of surface hardening (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Elements of tempering, normalizing, and annealing (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Elements of tempering, normalizing, and annealing (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

STEEL, STAINLESS

see also Chromium-molybdenum steel

Melting and refining of stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.

Stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1943.

STEEL INDUSTRY AND TRADE

The drama of steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Inland Steel Co., 1946.

Melting and refining of stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.

Stainless steel (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1943.

Steel town (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

West Virginia and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

STEERING-GEAR

see also Automobiles—Steering gear

Steering (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

STENCIL PRINTING see Serigraphy

STENSON'S DUCT see Parotid glands

STERILIZATION

Basic care of patients. Part 7: Sterile technique (*Motion picture*) U. S. Dept. of the Army, 1957.

Rickettsia—laboratory procedure for their isolation and identification (*Motion picture*) U. S. Dept. of the Army, 1949.

STEVEDORING see Cargo handling

STILLS see Distillation

STILWELL ROAD

The Stilwell Road (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

STOCK AND STOCK-BREEDING

see also Feeding; Horses; Pastures; Poultry breeding; Sheep; Sheep breeding; Stock-ranges; Swine; Swine breeding; Veterinary medicine

The Dairy Herd Improvement Association, identification and permanent record program (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Improving dairy herds (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

STOCK CONTROL see Stores or stock-room keeping

STOCK POISONING PLANTS

Plants poisonous to livestock (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

STOCK-RANGES

see also Grazing; Ranch life

Frontiers of grass: A story of the western range (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Grass and cattle (*Motion picture*) U. S. Dept. of Agriculture, 1950.

Home on the range (*Motion picture*) U. S. Dept. of Agriculture, 1946.

Rangeland research at Manitou (*Motion picture*) U. S. Dept. of Agriculture, 1962.

STOMACH

see also Digestion; Digestive organs

—SURGERY

Wedge resection for benign gastric ulcer (*Motion picture*) U. S. Veterans Administration, 1959.

—ULCERS

Wedge resection for benign gastric ulcer (*Motion picture*) U. S. Veterans Administration, 1959.

STOMATITIS IN ANIMALS

Vesicular diseases of animals (*Motion picture*) U. S. Dept. of Agriculture, 1951.

STOMATOLOGY see Mouth—Diseases; Teeth; Teeth—Diseases

STONEWARE see Pottery

STORAGE BATTERIES

see also Electric batteries

Charging storage batteries (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

Maintenance of storage batteries (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

The story of the modern storage battery (*Motion picture*) U. S. Bureau of Mines in cooperation with Willard Storage Battery Division of the Electric Storage Battery Co. Released by U. S. Bureau of Mines, 1959.

The story of a storage battery (*Motion picture*) U. S. Bureau of Mines in cooperation with Willard Storage Battery Co., 1947.

Theory of the lead-acid storage battery (*Motion picture*) U. S. Dept. of the Navy, 1959.

Voltaic cell, dry cell, and storage battery (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

STORAGE WAREHOUSES see Warehouses

STORES, DEPARTMENT see Department stores

STORES OR STOCK-ROOM KEEPING

Warehousing series. Part 3: Bins, racks and box pallets (*Motion picture*) U. S. Dept. of the Army, 1958.

STORMS

see also Hurricanes; Thunderstorms; Tornadoes; Winds

Safe driving in bad weather. Part 1: Light vehicles (*Motion picture*) U. S. Dept. of the Air Force, 1956.

STRATEGIC AIR COMMAND see U. S. Air Force. Strategic Air Command

STRATEGIC MATERIALS

Conservation planning for national security (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Audio Productions.

STRATEGY

see also Air warfare; Atomic warfare; Military art and science; Naval art and science; Tactics; Tank warfare

Concept for victory: A message to the personnel of the U. S. Army by General M. B. Ridgway (*Motion picture*) U. S. Dept. of the Army, 1955.

STRATEGY, GAMES OF (MATHEMATICS) see Games of strategy (Mathematics)

STRAWBERRIES

Beltsville newsreel, no. 3 (*Motion picture*) U. S. Dept. of Agriculture, 1956.

Freezing strawberries and peaches (*Filmstrip*) U. S. Dept. of Agricultre, 1953.

STREAM POLLUTION see Water—Pollution

STREET TRAFFIC see Traffic engineering

STREET-TRAFFIC REGULATIONS see Traffic regulations

STRENGTH OF MATERIALS

Tension testing (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

Tension testing (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

STREPTOCOCCUS

Isolation and identification of beta hemolytic streptococci (*Filmstrip*) U. S. Public Health Service, 1957.

STREPTOMYCIN

Streptomycin (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

STRIGA LUTEA see Witchweed

STRONTIUM

—ISOTOPES

Atomic weatherman: Strontium-90 isotopic applications (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by Martin Marietta Corp.

STRUCTURAL ENGINEERING see Strength of materials

STRUCTURAL PAINTING see Painting, Structural

STRYKER FRAME

Nursing care with a Stryker frame (*Motion picture*) U. S. Dept. of the Army, 1958.

STUDENT EMPLOYMENT

Businessmen's service club (*Motion picture*) U. S. Dept. of State, 1951. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

Working through college (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1951.

STUDENT GUIDANCE see Vocational guidance

STUDENTS, FOREIGN

Herald tribune youth forum (*Motion picture*) U. S. Dept. of State, 1951. Produced by RKO Pathe. Released for educational use in the United States through U. S. Office of Education, 1951.

The world we want—African version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.

The world we want—Far East version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.

The world we want—Near East version (*Motion picture*) U. S. Information Agency, 1959. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1961.

A year in America (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

STUDENTS, INTERCHANGE OF

International House (*Motion picture*) U. S. Dept. of the Army, 1950. Made by American Film Producers. Released for public educational use through U. S. Office of Education, 1950.

STUDY, METHOD OF

Effective study methods (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

STUNT FLYING

Winged wizardry (*Motion picture*) U. S. Dept. of the Air Force, 1957.

SUBMARINE BOATS

see also Atomic submarines; Sonar

Armed Forces screen magazine, no. 504 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.

Man and the FBM (*Motion picture*) U. S. Dept. of the Navy, 1960.

The submarine. Part 2: Construction (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.

The submarine. Part 3: Diving and surfacing (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.

The submarine. Part 4: Operating submerged (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.

Submarine noise reduction: Bearings, care in installation (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Herbert Kerkow, inc.

Take 'er down (*Motion picture*) U. S. Dept. of the Navy, 1954.

—SAFETY APPLIANCES

Buoyant ascent (*Motion picture*) U. S. Dept. of the Navy, 1957.

SUBMARINE DIVING see Diving, Submarine

SUBMARINE WARFARE

HSS automatic stabilization equipment (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Sun Dial Films.

SUBSONIC AERODYNAMICS see Aerodynamics

SUBVERSIVE ACTIVITIES

The third challenge: unconventional warfare (*Motion picture*) U. S. Dept. of Defense, 1963.

SUDORIPAROUS GLANDS see Sweat glands

SUFFOCATION see Asphyxia

SUFFOLK COUNTY NEWS, SAYVILLE, N. Y.

Small town newspaper (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

SUGAR-CANE

Agricultural engineering—the profession with a future (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.

SUGGESTION SYSTEMS

Developing cooperation (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

Improving the job (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

Mejorando el trabajo (*Motion picture*) U. S. Office of Education ₍1959?₎

Suggestion box (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

Suggestion power (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

SULPHUR

The magic of sulphur (*Motion picture*) U. S. Bureau of Mines in cooperation with the Texas Gulf Sulphur Co. Released by U. S. Bureau of Mines, 1961.

SULPHUR MINES AND MINING

The magic of sulphur (*Motion picture*) U. S. Bureau of Mines in cooperation with the Texas Gulf Sulphur Co. Released by U. S. Bureau of Mines, 1961.

SUMATRA

Sumatra (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC AERONAUTICS see High-speed aeronautics

SUPERVISION OF EMPLOYEES

Conserve el interés de sus empleados (*Motion picture*) U. S. Office of Education ₍1959?₎

Five keys (*Motion picture*) U. S. Post Office Dept., 1956. Made by Byron, inc.

Maintaining workers' interest (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Supervising women workers (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

Supervising workers on the job (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

Supervision de los obreros en su trabajo (*Motion picture*) U. S. Office of Education ₍1959?₎

The supervisor as a leader, part 2 (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

SUPERVISORS

see also Foremen

Discipline: Giving orders (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

Discipline: Reprimanding (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

SUPPLIES, MILITARY see Military supplies

SUPREME ALLIED COMMANDER, ATLANTIC

NATO seapower for peace (*Motion picture*) U. S. Dept. of the Navy, 1957.

Seapower for freedom (*Motion picture*) U. S. Dept. of the Navy, 1953.

SUPREME ALLIED COMMANDER, EUROPE

The Sixth Fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

SUPREME HEADQUARTERS, ALLIED POWERS, EUROPE

Alliance for peace (*Motion picture*) SHAPE, 1952. Released for public use in the United States through U. S. Dept. of Defense and U. S. Office of Education, 1952.

SURFACE-TO AIR MISSILES see Nike rocket

SURGERY, ABDOMINAL see Abdomen—Surgery

SURGERY, ASEPTIC AND ANTISEPTIC

see also Sterilization

Aseptic procedure in oral surgery (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

Chain of asepsis (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

Operating room procedures (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Polaris Pictures.

SURGERY, DENTAL see Dentistry, Operative

SURGERY, MILITARY

see also Dentistry, Military; First aid in illness and injury; Hospitals, Military, Veterans, Disabled—Rehabilitation; Wounds

Management of mass casualties. Part 8: Management of mechanical injuries (*Motion picture*) U. S. Dept. of the Army, 1959.

Method of teaching combat surgery (*Motion picture*) U. S. Dept. of the Army, 1958.

Resuscitative care of the severely wounded (*Motion picture*) U. S. Dept. of the Army, 1957.

Soft tissue wounds (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

SURGERY, OPERATIVE

see also Operations, Surgical; Shock

The anaesthesiologist positions the patient (*Motion picture*) U. S. Veterans Administration, 1959.

Head injury, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Management of mass casualties. Part 8: Management of mechanical injuries (*Motion picture*) U. S. Dept. of the Army, 1959.

The surgical treatment of carotid body sensitivity in man (*Motion picture*) U. S. Dept. of the Army, 1951.

SURGERY, ORAL see Lips—Surgery; Mouth—Surgery

SURGERY, ORTHOPEDIC see Orthopedia

SURGERY, PLASTIC

see also Bone-grafting; Prosthesis; Skin-grafting

Construction of screw lock sectional splint (*Motion picture*) U. S. Dept. of the Army, 1947.

Mammaplasty (*Motion picture*) U. S. Dept. of the Navy, 1958.

Plastic and reconstruction surgery of the hand (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

Plastic repair of a cheek and lip (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Plastic surgery of the hand (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Reconstruction of the lower lip and chin (*Motion picture*) U. S. Dept. of the Army, 1947.

Technique of biceps cineplasty (*Motion picture*) U. S. Dept. of the Army, 1960.

Wounds of the face and jaw (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

Wounds of the hand (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

SURGICAL DRESSINGS see Bandages and bandaging; Splints (Surgery); Wounds—Treatment

SURGICAL INSTRUMENTS AND APPARATUS

see also Medical instruments and apparatus; Orthopedic apparatus; Splints (Surgery)

The surgical dressing carriage (*Filmstrip*) U. S. Dept. of the Army, 1955.

SURGICAL NURSING

see also Postoperative care

Postoperative care (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

Preoperative care (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

SURGICAL OPERATIONS see Operations, Surgical

SURGICAL PLASTER CASTS see Plaster casts, Surgical

SURGICAL SHOCK see Shock

SURPLUS AGRICULTURAL COMMODITIES

Main dishes in family meals (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

SURRA see Trypanosomiasis

SURVEYING

see also Cartography; Geodesy; Hydrographic surveying; Leveling; Military topography; Photographic surveying; Topographical surveying; Triangulation

Building and utility layout (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

Measuring and leveling (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

Traversing (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

SURVIVAL (AFTER AEROPLANE ACCIDENTS, SHIPWRECKS, ETC.)

see also Aeroplanes—Ditching; Aircraft survival equipment; Search and rescue operations; U. S. Coast Guard—Search and rescue operations

Abandon ship (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Wilding Picture Productions. Released for educational use through U. S. Office of Education, 1949.

Deep sea survival (*Motion picture*) U. S. Dept. of the Air Force, 1959.

The E-1 survival kit (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Help available (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Jungle survival (*Motion picture*) U. S. Dept. of the Air Force, 1958.

SURVIVAL (AFTER AEROPLANE ACCIDENTS, SHIPWRECKS, ETC.) (Continued)

Moluccas (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

New Guinea (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

Operation of ocean station vessels during search and rescue (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Philippine Islands (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

Sun, sand, and survival (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Survival in the Aleutians (*Motion picture*) U. S. Dept. of the Air Force, 1951.

Survival in the Arctic tundra (*Motion picture*) U. S. Dept. of the Air Force, 1949.

Survival in the South Pacific (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

Survival on polar sea ice (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Survival on the ice cap (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Survival stresses (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Surviver recovery and handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Swimming for survival (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

SURVIVAL KITS see Aircraft survival equipment

SWEAT GLANDS

Dermatology and syphilology. Part 2: The sweat gland in health and disease (*Filmstrip*) U. S. Dept. of the Army, 1957.

SWEDES IN THE U. S.

Swedes in America (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.

SWEEPS (HYDROGRAPHY) see Drags (Hydrography)

SWEET CORN see Maize

SWIMMING

Be water wise: Swimming (*Motion picture*) U. S. Dept. of the Air Force, 1960.

The breaststroke, sidestroke, and underwater swimming (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

The crawl stroke (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

Learning to swim (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

Navy standard swimming tests and abandoning ship drills (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use through U. S. Office of Education, 1948.

Swimming for survival (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

Swimming through burning oil and through surf (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

Water wisdom (*Motion picture*) U. S. Tennessee Valley Authority, 1953. Made by Southern Educational Film Production Service.

SWIMMING POOL REACTORS

Oak Ridge research reactor (*Motion picture*) U. S. Atomic Energy Commission, 1958.

SWIMMING POOLS

Introduction to swimming pool sanitation (*Motion picture*) U. S. Public Health Service, 1959.

Swimming pool sanitation (*Filmstrip*) U. S. Public Health Service, 1953.

SWINE

Breeds of swine (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

Pork on the farm (*Motion picture*) U. S. Dept. of Agriculture, 1940.

—DISEASES

Teschen disease (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1953. Made by Byron, inc.

The triple threat of brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1951.

Vesicular diseases of animals (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—PARASITES see Parasites—Swine

SWINE BREEDING

Selecting and judging breeding hogs (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

SWINE FEVER see Hog cholera

SWINE HOUSES AND EQUIPMENT

Hog houses and equipment (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

SWITCHBOARDS, TELEPHONE see Telephone switchboards

SYLACAUGA, ALA.

When work is done (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

SYMPHONY ORCHESTRAS

Symphony across the land (*Motion picture*) U. S. Information Agency, 1959. Made by Trident Films. Released for public educational use in the United States through U. S. Office of Education, 1959.

SYMPTOMS see Diagnosis; Semiology

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNTHETIC PRODUCTS

see also Chemurgy; Plastics; Rubber, Artificial

Origin and synthesis of plastics materials (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

Origin and synthesis of plastics materials (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

SYPHILIS

Dermatology and syphilology. Part 1: Distribution patterns of lesions in the diagnosis of skin diseases (*Filmstrip*) U. S. Dept. of the Army, 1956.

Horizons of syphilis (*Filmstrip*) U. S. Public Health Service, 1949.

Identification of early syphilis (*Motion picture*) U. S. Public Health Service, 1961.

Know for sure (*Motion picture*) U. S. Public Health Service, 1942. Made by the Research Council of the Academy of Motion Picture Arts and Sciences.

Message to women (*Motion picture*) U. S. Public Health Service, 1945. Made by Hugh Harmon Productions.

—DIAGNOSIS

Diagnosis of primary syphilis (*Filmstrip*) U. S. Public Health Service, 1949.

Diagnosis of syphilis by the general practitioner (*Motion picture*) U. S. Public Health Service, 1954.

VDRL tests for syphilis (*Motion picture*) U. S. Public Health Service, 1960.

SYSTEMS ENGINEERING

see also Reliability (Engineering)

Reliability: Fundamental concepts, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Reliability: Fundamental concepts, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1961.

SYSTEMS RELIABILITY see Reliability (Engineering)

T

T-SQUARES see Rulers (Instruments)

T2J TRAINING PLANE

Aircraft familiarization: T2J–1 Buckeye, aircraft systems (*Motion picture*) U. S. Dept. of the Navy, 1960.

Aircraft familiarization: T2J–1 Buckeye, carrier procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

Aircraft familiarization: T2J–1 Buckeye, emergency procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

Aircraft familiarization: T2J–1 Buckeye, field carrier landing procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

Aircraft familiarization: T2J–1 Buckeye, operating procedures (*Motion picture*) U. S. Dept. of the Navy, 1960.

T V A see Tennessee Valley Authority

TABLES, MATHEMATICAL see Trigonometry —Tables, etc.

TACHOMETER

Aircraft tachometers (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

Tachometers and synchronism indicators (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

TACKLING see Masts and rigging

TACTICS

see also Air warfare; Atomic warfare; Attack and defense (Military science); Drill and minor tactics; Military maneuvers; Tank warfare; War games; Winter warfare

Armor combat power (*Motion picture*) U. S. Dept. of the Army, 1958.

The Marine Corps and close air support (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

TAIWAN see Formosa

TANK-TYPE REACTORS see Swimming pool reactors

TANK-VESSELS

—FIRES AND FIRE PREVENTION

Fire-fighting aboard tankers (*Motion picture*) U. S. Coast Guard, 1961.

TANK WARFARE

see also Tanks (Military science)

Armor combat power (*Motion picture*) U. S. Dept. of the Army, 1958.

TANKS

see also Aeroplanes—Fuel tanks; Petroleum—Storage

Construction of 10,000 barrel bolted steel tanks. Part 1: Foundation, bottom, and sidewalls (*Motion picture*) U. S. Dept. of the Army, 1954.

Construction of 10,000 barrel bolted steel tanks. Part 2: Center support, deck, valves, and vents (*Motion picture*) U. S. Dept. of the Army, 1954.

Conversion from black oil to Diesel fuel: Navy improved method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

Conversion from black oil to gasoline: Navy chemical method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

—CLEANING

Maintenance tank cleaning: Butterworth method (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

Public works and public utilities: Fuel storage tank cleaning (*Motion picture*) U. S. Dept. of the Navy, 1960.

TANKS (MILITARY SCIENCE)

Armed Forces screen magazine, no. 502 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

Armor combat power (*Motion picture*) U. S. Dept. of the Army, 1958.

Building a tank (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

Project stalk (*Motion picture*) U. S. Dept. of the Army, 1954.

Tanks (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

TAPEWORMS

Life cycle of Diphyllobothrium latum (*Motion picture*) U. S. Public Health Service, 1950.

TAPS AND DIES

Care and use of hand tools. Part 7: Threading taps and dies (*Motion picture*) U. S. Dept. of the Navy, 1954.

Cutting threads with taps and dies (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

Cutting threads with taps and dies (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

TARASCO INDIANS

Pátzcuaro (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Rereleased for educational use in the United States through U. S. Office of Education, 1949.

TARE (PLANT) see Vetch

TARGET RANGES see Bombing and gunnery ranges

TEA ROOMS see Restaurants, lunch rooms, etc.

TEACHERS, TRAINING OF

Preparation of teachers (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

TEACHING

see also Education; Questioning; Study, Method of

The stages of instruction: Application, examination, and review or critique (*Motion picture*) U. S. Dept. of the Army, 1956.

The stages of instruction: Preparation (*Motion picture*) U. S. Dept. of the Army, 1956.

The stages of instruction: Presentation (*Motion picture*) U. S. Dept. of the Army, 1956.

Use of the problem in teaching (*Motion picture*) U. S. Dept. of the Air Force, 1958.

The Wilson Dam School (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.

—AIDS AND DEVICES

see also Teaching machines

Audio-visual aids to learning (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1951.

Mathematics: Unending search for excellence (*Motion picture*) U. S. Office of Education, 1963. Made by National Educational Television and Radio Center.

Training aids (*Motion picture*) U. S. Dept. of the Army, 1956.

Training aids: Classroom utilization (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

Training aids: Selection and planning (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

Training aids: Slides, large drawings, and transparencies (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

TEACHING MACHINES

Teaching machines and programmed learning (*Motion picture*) U. S. Office of Education, 1960. Made by the National Education Association.

TECHNICAL ASSISTANCE, AMERICAN

A story of goodwill (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Warner News. Released for public educational use through U. S. Office of Education, 1952.

TECHNICAL ASSISTANCE IN HAITI

The Economic and Social Council at work (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

TECHNICAL DRAWINGS see Engineering drawings

TECHNOLOGICAL MUSEUMS see Industrial museums

TEEN-AGERS see Youtn

TEETH

see also Dentistry

Equilibration of occlusion (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes Co. Released for public educational use through U. S. Office of Education, 1953.

—CARE AND HYGIENE

About faces (*Motion picture*) U. S. Public Health Service, 1941. Made by Sound Masters.

Dental health (*Motion picture*) U. S. Dept. of the Army, 1958.

Oral hygiene for hospitalized patients (*Motion picture*) U. S. Veterans Administration, 1957.

Oral hygiene: Toothbrush technique (*Filmstrip*) U. S. Public Health Service, 1949.

Oral prophylactic techniques (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Preventive dentistry: A base dental program (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Preventive dentistry: Oral hygiene (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—DISEASES

Endodontics. Part 1: Diagnosis and case selection (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

Endodontics. Part 3: Filling the root canal (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

Radiodontics (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—EXTRACTION

see also Dentistry, Operative

Alveolectomy after multiple extraction of teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

Alveolectomy and multiple pathology (*Motion picture*) U. S. Dept. of the Army, 1952.

Alveolectomy in extraction of isolated teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

Complicated exodontia, introduction (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

Removal of an impacted mandibular third molar by controlled sectioning (*Motion picture*) U. S. Dept. of the Army, 1952.

—RADIOGRAPHY

Dental X-ray equipment: Alteration for modern radiation hygiene (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1959.

Hazards of dental radiography (*Motion picture*) U. S. National Bureau of Standards, 1954.

Interproximal and occlusal dental radiographic techniques (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Radiodontics (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

TEETH, ARTIFICIAL

Alveolectomy in extraction of isolated teeth (*Motion picture*) U. S. Dept. of the Army, 1952.

Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

Clasp partial denture design (*Filmstrip*) U. S. Navy Dept., 1943. Made by Byron, inc.

Complete dentures: Alginate impressions (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

Complete dentures: Remount procedures (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Byron, inc.

Partial dentures: Biomechanics (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

Porcelain jacket crown technique (*Motion picture*) U. S. National Bureau of Standards, in cooperation with Council on Dental Research, American Dental Association, and the University of Montevideo, Uruguay, 1955.

The rubber dam in dentistry (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Byron, inc.

Three-quarter anterior crown (*Motion picture*) U. S. Dept. of the Army, 1960.

TELECOMMUNICATION

see also Astronautics—Communication systems; Radio; Telegraph; Telephone; Television

—COLD WEATHER OPERATION

Operation and maintenance of communications equipment in extreme cold (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

TELEGRAPH

see also Military telegraph

Theory of simplex and phantom circuits. Part 1: Balanced conditions (*Motion picture*) U. S. War Dept., 1944.

Theory of simplex and phantom circuits. Part 2: Unbalanced conditions (*Motion picture*) U. S. War Dept., 1944.

—APPARATUS AND SUPPLIES

Line-up procedure for tactical telegraph carrier equipment (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

TELEMETER (PHYSIOLOGICAL APPARATUS)

World-wide physiological data transmission (*Motion picture*) U. S. Navy Dept., 1958.

TELEPHONE

see also Military telephone

Basic telephony (*Motion picture*) U. S. Dept. of the Army, 1961.

Theory of simplex and phantom circuits. Part 1: Balanced conditions (*Motion picture*) U. S. War Dept., 1944.

Theory of simplex and phantom circuits. Part 2: Unbalanced conditions (*Motion picture*) U. S. War Dept., 1944.

—APPARATUS AND SUPPLIES

Line-up procedure for tactical telephone carrier equipment (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

TELEPHONE, AUTOMATIC

Automatic telephone central offices, part 1: Strowger type switching systems (*Motion picture*) U. S. Dept. of the Army. 1961.

Automatic telephone central offices, part 2: XY switching systems (*Motion picture*) U. S. Dept. of the Army, 1961.

TELEPHONE LINES

see also Electric conduits

Open wire transposition systems (*Motion picture*) U. S. Dept. of the Army, 1955.

TELEPHONE SWITCHBOARDS

Multiple switchboards: Installation and operation (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

TELETYPE

Line-up of field teletypewriter set EE-98A (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Mechanical operation of the model 28 teletypewriter: Automatic typer selecting mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

Mechanical operation of the model 28 teletypewriter: Function mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

Mechanical operation of the model 28 teletypewriter: Keyboard transmitting mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

Mechanical operation of the model 28 teletypewriter: Type box positioning mechanism (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

TT-47/UG teletypewriter: General principles and operation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

TT-47/UG teletypewriter: Installation and performance tests (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

TT-47/UG teletypewriter: Preventive maintenance (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

TELEVISION

—INTERFERENCE

Typical television interference patterns (*Motion picture*) U. S. Dept. of Agriculture, 1953.

TELEVISION BROADCASTING

NYU television workshop (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Murphy Lillis Productions. Released for public educational use through U. S. Office of Education, 1950.

TELEX SERVICES see Teletype

TEMPERATURE, ANIMAL AND HUMAN see Body temperature

TEMPOROMANDIBULAR JOINT

Subluxation (*Motion picture*) U. S. Dept. of the Army, 1962.

TENNESSEE RIVER VALLEY

Valley of the Tennessee (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

TENNESSEE VALLEY AUTHORITY

TVA (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Advisory Commission of the Council of National Defense, 1941.

TVA town (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Transfilm. Released for public educational use through U. S. Office of Education, 1951.

Valley of the Tennessee (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

TENTS

Pitching and striking the sectional hospital tent (*Filmstrip*) U. S. Dept. of the Army, 1947.

TERMITES

Block that termite (*Motion picture*) U. S. Dept. of Agriculture, 1940.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TESTACEA see Mollusks

TESTICLE

—TUMORS

Radical retroperitoneal node dissection in the treatment of testicular tumors (*Motion picture*) U. S. Dept. of the Army, 1957.

Transperitoneal bilateral lymphadenectomy for testis tumor (*Motion picture*) U. S. Dept. of the Army, 1960.

TESTIMONY see Witnesses

TESTING

see also Environmental engineering; Non-destructive testing; Space vehicles —Testing; Standardization; X-rays —Industrial applications

Tension testing (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

Tension testing (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

TEXAS

Texas and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.

TEXAS. UNIVERSITY. TEXAS WESTERN COLLEGE, EL PASO

They major in missiles (*Motion picture*) U. S. Dept. of the Army, 1960.

TEXAS TOWERS see Artificial islands

THAYER, SYLVANUS, 1785-1872

Sylvanus Thayer (*Motion picture*) U. S. Army Engineers, 1959.

THEFT see Stealing

THERAPEUTICS

see also Diet in disease; Drugs; Injections, Hypodermic; X-rays

Administration of drugs (*Motion picture*) U. S. Dept. of the Air Force, 1957.

THERMAL EQUILIBRIUM see Heat

THERMAL INSULATION see Insulation (Heat)

THERMO-AERODYNAMICS see Aerodynamic heating

THERMOMETERS AND THERMOMETRY

Thermometer (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

THERMOMETERS AND THERMOMETRY, MEDICAL

see also Body temperature

Disinfection of clinical thermometers. Part 1: Oral thermometers (*Filmstrip*) U. S. Public Health Service, 1952.

THERMONUCLEAR REACTIONS, CONTROLLED see Controlled fusion

THERMOSTAT

Adjusting commercial thermostatic controls (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

THERMOTHERAPY

Danger! Handle with care (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

THIGH

—FRACTURE see Femur—Fracture

THIOKOL see Rubber, Artificial

THOR (MISSILE)

Thor: The IRBM (*Motion picture*) U. S. Dept. of the Air Force, 1959.

THORACIC SURGERY see Chest—Surgery

THORAX see Chest

THRIFT see Saving and thrift

THROAT

see also Esophagus; Larynx; Trachea

—SURGERY

Cricothyroidotomy (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.

THUNDERBIRDS see U. S. Air Force. 4520th Aerial Demonstration Team

THUNDERSTORMS

Aerology (thunderstorms) Part 1: Formation and structure of thunderstorms (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.

Aerology (thunderstorms) Part 2: Flight techniques with respect to thunderstorms (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.

THYROID GLAND

—SURGERY

Surgical anatomy of thyroid gland, trachea, and larynx (*Motion picture*) U. S. Veterans Administration, 1963.

TIBIA

Tibial nerve anastomosis in the lower calf (*Motion picture*) U. S. Dept. of the Army, 1949.

—FRACTURE

Skeletal fixation by the Stader splint, fractures of the tibia (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.

TIC-DOULOUREUX see Neuralgia, Facial

TICKS

The genera of North American ticks (*Filmstrip*) U. S. Public Health Service, 1953.

Identification of U. S. genera of adult ticks (*Filmstrip*) U. S. Public Health Service, 1950.

Ticks and tick-borne diseases (*Motion picture*) U. S. Public Health Service, 1960.

TICKS AS CARRIERS OF DISEASE

Ticks and tick-borne diseases (*Motion picture*) U. S. Public Health Service, 1960.

TIDES

Tides and currents (*Motion picture*) U. S. Coast and Geodetic Survey, 1955.

TILLAGE

Wind erosion control through tillage and ridge planting (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

TIMBER

see also Forests and forestry; Trees; Wood

TRR (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—PRESERVATION see Wood—Preservation

TIME

Time (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

—SYSTEMS AND STANDARDS

Time (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

TIN

Tin from Bolivia (*Motion picture*) U. S. Bureau of Mines in cooperation with Patino Mines & Enterprises Consolidated, 1945.

TIN PLATE

Tinplate (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1949.

TIRES, RUBBER

—REPAIRING

Repairing aircraft tires (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

Repairing aircraft tires (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

TOMATOES

Queen of the vegetables (*Motion picture*) U. S. Dept. of Agriculture, 1952.

TONGASS NATIONAL FOREST, ALASKA

Timber and totem poles (*Motion picture*) U. S. Dept. of Agriculture, 1949.

Tongass timberland (*Motion picture*) U. S. Dept. of Agriculture, 1948.

TONGUE

Intra-oral and pharyngeal structures and their movements (*Motion picture*) U. S. Veterans Administration, 1951.

TOOLS

see also Agricultural implements; Agricultural machinery; Cutlery; Machine-tools; Machinery; Machinists' tools

Care and use of hand tools. Part 1: An introduction to hand tools (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

Use and care of hand tools. Part 1: Vises, screwdrivers, hammers, pliers (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

TOOTHACHE see Teeth—Diseases

TOPECTOMY see Brain—Surgery

TOPOGRAPHICAL SURVEYING

see also Military topography

The helicopter as an aid in Alaska surveys (*Motion picture*) U. S. Geological Survey, 1952.

Leveling for topographic mapping (*Motion picture*) U. S. Geological Survey, 1951.

Supplemental control for topographic mapping (*Motion picture*) U. S. Geological Survey, 1953.

Transit traverse for topographic mapping (*Motion picture*) U. S. Geological Survey, 1951.

TORNADOES

Tornado (*Motion picture*) U. S. Weather Bureau, 1956. Made by the Calvin Co.

TORQUE WRENCHES

The man with the torque wrench (*Motion picture*) U. S. Dept. of the Air Force, 1958.

TOSCANINI, ARTURO, 1867-

[**Hymn of the nations**] (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

TOTALITARIANISM

see also Communism

Social change in a democracy (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Sun Dial Films. Released for public educational use through U. S. Office of Education, 1952.

TOTEMS

Timber and totem poles (*Motion picture*) U. S. Dept. of Agriculture, 1949.

TOWING

Search and rescue boat handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Towing a disabled plane (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

TOWN LIFE see City and town life

TRACERS, RADIOACTIVE see Radioactive tracers

TRACHEA

see also Larynx

—INTUBATION

Simple method for tracheal suction and bronchoscopy (*Motion picture*) U. S. Dept. of the Army, 1961.

TRACK-ATHLETICS

I & E screen magazine, no. 574 (*Motion picture*) U. S. Dept. of Defense, 1959.

TRACKING see Guided missiles—Tracking

TRACKING RADAR

Accuracy plus: The AN/FPS 16 instrumentation radar at White Sands (*Motion picture*) U. S. Dept. of the Army, 1961.

TRACTORS

Care of a tractor (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

Care of a tractor (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

Cuide su tractor (*Motion picture*) U. S. Office of Education [1959?]

Fan belt and water pump (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Steering, clutch, and brake (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Tractor, caterpillar D-8: Before operation services (*Motion picture*) U. S. Dept. of the Army, 1957.

Tractor, caterpillar D-8: Starting and stopping (*Motion picture*) U. S. Dept. of the Army, 1957.

—REPAIRING

Adjusting the Le Tourneau power control unit (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Flywheel clutch and starting engine clutch (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

Tracks (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

TRADE-UNIONS

Union local (*Motion picture*) U. S. Dept. of State, 1951. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1952.

TRADES see Building trades

TRAFFIC ACCIDENTS

Alias the killer (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Apex Film Corp.

As a matter of fact (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

The collision diagram (*Motion picture*) U. S. Dept. of the Army, 1956.

Military police duties at traffic accidents (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

The traffic accident spot map (*Motion picture*) U. S. Dept. of the Army, 1956.

TRAFFIC CONTROL see Traffic engineering; Traffic regulations

TRAFFIC COURTS

Traffic court, U. S. A. (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAFFIC ENGINEERING

see also Evacuation of civilians

Engineering for traffic safety (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

Point control of traffic (*Motion picture*) U. S. Dept. of the Army, 1955.

Roads and traffic (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

Traffic patrols and escorts (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

TRAFFIC POLICE

Traffic police (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAFFIC REGULATIONS

see also Speed limits

Evacuation of civilians (*Motion picture*) U. S. War Dept., 1945.

Safe driving in Europe (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Traffic patrols and escorts (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Uniform traffic laws (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAFFIC SAFETY

see also Automobile drivers; Speed limits

How to prevent private vehicle accidents (*Motion picture*) U. S. Dept. of the Army, 1963.

Nightmare for the bold (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—STUDY AND TEACHING

Teach them traffic safety (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAILERS, TRUCK see Truck trailers

TRAILS

Appalachian Trail (*Motion picture*) U. S. Dept. of State, 1951. Made by Mitchell Film Associates. Released for public educational use through U. S. Office of Education, 1952.

Mechanized trail equipment (*Motion picture*) U. S. Dept. of Agriculture, 1958.

TRAINED NURSES see Nurses and nursing

TRAINING OF EMPLOYEES see Employees, Training of

TRAJECTORIES, SPACE see Space trajectories

TRANSFORMERS, ELECTRIC see Electric transformers

TRANSFUSION OF BLOOD see Blood —Transfusion

TRANSIENT LABOR see Migrant labor

TRANSISTOR AMPLIFIERS

Transistors: Low frequency amplifiers (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

TRANSISTOR CIRCUITS

Transistors: Switching (*Motion picture*) U. S. Dept. of the Navy, 1959.

TRANSISTORS

Transistors: High frequency operation—Amplifiers and oscillators (*Motion picture*) U. S. Dept. of the Navy, 1959.

Transistors: Minority carriers (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

Transistors: P-N junction fundamentals (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.

Transistors, part 1: Introduction (*Motion picture*) U. S. Dept. of the Army, 1961.

Transistors: Servicing techniques (*Motion picture*) U. S. Dept. of the Navy, 1960.

Transistors: Triode fundamentals (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.

TRANSIT (NAVIGATION SATELLITE)

Our nearest star (*Motion picture*) U. S. Atomic Energy Commission, 1961. Made by Martin Co.

TRANSMISSION, POWER see Power transmission

TRANSPORT OF SICK AND WOUNDED

Aeromedical evacuation (*Motion picture*) U. S. Dept. of the Air Force, 1953.

First aid for all hands: Handling and transporting (*Motion picture*) U. S. Dept. of the Navy, 1959.

First aid handling and transporting of the injured: Introduction (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.

First aid handling and transporting of the injured: Lifelines, improvised stretchers, and carriers (*Motion picture*) U. S. Dept. of the Navy, 1956 Made by Wilding Picture Productions.

First aid handling and transporting of the injured: Mastering basic techniques (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.

Perishable rush (*Motion picture*) U. S. Army Air Forces, 1945.

TRANSPORT PLANES

see also Jet transports

Ditching techniques for transport aircraft: Communications, sea evaluation, headings and landings (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Personnel loading capabilities of the C–130 aircraft (*Motion picture*) U. S. Dept. of the Air Force, 1954.

TRANSPORTATION, AUTOMOTIVE

see also Automobiles; Motor buses; Motor-truck terminals; Motor-trucks; Traffic police; Traffic safety

Trailer 201 (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

—LAWS AND REGULATIONS

Motor vehicle administration (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

—SAFETY MEASURES

Safe driving in bad weather. Part 2: Trucks and tractor-trailers (*Motion picture*) U. S. Dept. of the Air Force, 1956.

TRANSPORTATION, MILITARY

see also Airdrop; Automobiles, Military; Explosives—Transportation; Landing operations; Military bridges; Military railroads; Transports; Vehicles, Military

Materiel handling principles in transportation (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Point control of traffic (*Motion picture*) U. S. Dept. of the Army, 1955.

Trafficability (*Motion picture*) U. S. Army Engineers, 1959.

—COLD WEATHER CONDITIONS

Icecap, I (*Motion picture*) U. S. Dept. of the Army, 1953.

Subarctic cross-country mobility. Part 2: Summer operations (*Motion picture*) U. S. Dept. of the Army, 1956.

Tractor sled operations (Icecap II) (*Motion picture*) U. S. Dept. of the Army, 1954.

TRANSPORTATION OF SCHOOL CHILDREN see School children—Transportation

TRANSPORTS

Armed Forces screen magazine, no. 503 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

TRAVELERS, AMERICAN

Morning coffee with Dorothy Thompson (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

TRAVELING-WAVE TUBES

Traveling wave tubes—types, principles of operation, and applications (*Motion picture*) U. S. Dept. of the Army, 1961.

TRAVERSES (SURVEYING)

Transit traverse for topographic mapping (*Motion picture*) U. S. Geological Survey, 1951.

Traversing (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

TREE BREEDING

A tree is born (*Motion picture*) U. S. Dept. of Agriculture, 1959.

TREE PLANTING

see also Reforestation

Tree bank (*Motion picture*) U. S. Dept. of Agriculture, 1956.

TREES

see also Evergreens; Forests and forestry; Lumbering; Timber; Wood

Famous trees in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Farm forestry in the South (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

The President plants a tree (*Motion picture*) U. S. Dept. of Agriculture, 1959.

TREPONEMA PALLIDUM see Spirochetes

TRIAL EVIDENCE see Evidence (Law)

TRIANGLES (INSTRUMENTS) see Rulers (Instruments)

TRIANGULATION

The astronomical triangle (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Relative movement. Part 1: Relative movement and interception (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

Triangulation for topographic mapping (*Motion picture*) U. S. Geological Survey, 1953.

TRICHINA AND TRICHINOSIS

A flocculation test for trichinosis (*Filmstrip*) U. S. Public Health Service, 1956.

Spread and prevention of trichinosis (*Filmstrip*) U. S. Public Health Service, 1948.

Trichinosis, a disease easily prevented (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

Worms in your muscles (*Filmstrip*) U. S. Public Health Service, 1948.

TRIGONOMETRIC FUNCTIONS

Beginning algebra II, lecture 10: Numerical trigonometry (*Motion picture*) U. S. Dept. of Defense, 1956.

TRIGONOMETRY

—TABLES, ETC.

Beginning algebra II, lecture 10: Numerical trigonometry (*Motion picture*) U. S. Dept. of Defense, 1956.

Beginning algebra II, lecture 11: Numerical trigonometry (*Motion picture*) U. S. Dept. of Defense, 1956.

TRINITY RIVER VALLEY, TEX.

Trinity River Basin (*Motion picture*) U. S. Army Engineers, 1956.

TRIODES

Vacuum tubes: Triode and multipurpose tubes (*Motion picture*) U. S. Army Air Forces, 1942.

TRIPOLINE WAR see U.S.—History —Tripolitan War, 1801-1805

TRITIUM

Chromosome labeling by tritium (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by Jam Handy Organization.

TROOPS, LANDING OF see Landing operations

TROOPSHIPS see Transports

TROPICAL FRUIT

Identification of South Pacific plants (*Filmstrip*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

TROPICAL PLANTS

Identification of South Pacific plants (*Filmstrip*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

TROPICS

Jungle survival (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—DISEASES AND HYGIENE

Important diseases common to the tropics (*Filmstrip*) U. S. Dept. of the Army, 1951.

TRUCK TERMINALS see Motor-truck terminals

TRUCK TRAILERS

Driving the semi-trailer (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

TRUCKS, AUTOMOBILE see Motor-trucks

TRUMAN, HARRY S., PRES. U.S., 1884-

Inauguration of President Truman (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

TRYPANOSOMIASIS

see also Sleeping-sickness

African trypanosomiasis (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1953.

TSUTSUGAMUSHI DISEASE

Tsutsugamushi: Prevention (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

TUBE BENDING

Tube and shape bending (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

Tube bending by hand (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

Tube bending by hand (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

TUBERCULIN

Tuberculin testing (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

TUBERCULOSIS

Decortication in the treatment of tuberculous pleuritis (*Motion picture*) U. S. Dept. of the Army, 1952.

Safe tuberculosis nursing (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1951.

A tuberculose (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Tuberculosis (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

—DIAGNOSIS

Preparation of a culture medium (*Motion picture*) U. S. Public Health Service, 1949.

Preparation of a culture medium (*Filmstrip*) U. S. Public Health Service, 1949.

Preparation of sputum specimens (*Motion picture*) U. S. Public Health Service, 1949.

Preparation of sputum specimens (*Filmstrip*) U. S. Public Health Service, 1949.

Typing of tubercle bacilli by animal inoculation (*Motion picture*) U. S. Public Health Service, 1950.

Typing of tubercle bacilli by animal inoculation (*Filmstrip*) U. S. Public Health Service, 1950.

—PREVENTION

Routine admission chest X-ray in general hospitals (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.

Techniques of group chest X-ray services (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education. 1946. Made by Sun Dial Films.

—REHABILITATION

Steps to recovery: Rehabilitation of the patient with pulmonary tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1961.

—TRANSMISSION

Safety measures in tuberculosis laboratories (*Filmstrip*) U. S. Public Health Service, 1954.

TUBERCULOSIS IN ANIMALS

Vicious circle (*Motion picture*) U. S. Dept. of Agriculture, 1954.

TUBERCULOSIS IN POULTRY

Vicious circle (*Motion picture*) U. S. Dept. of Agriculture, 1954.

TUBERCULOUS

—REHABILITATION, ETC.

Time out: Occupational therapy in tuberculosis (*Motion picture*) U. S. Dept. of the Army, 1949.

You can lick TB (*Motion picture*) U. S. Veterans Administration, 1949.

TUBES

see also Tube bending

Fabrication of tubing (*Filmstrip*) U. S. Navy Dept., 1941. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

Repairing structural tubing (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Repairing structural tubing (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

TULSA, OKLA.

Tulsa, Oklahoma (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1950.

TUNNELS

Ice tunnel (*Motion picture*) U. S. Army Engineers, 1958.

TURBINE-POWERED TRANSPORTS see Jet transports

TURBINES

see also Gas-turbines; Hydraulic motors; Steam-turbines

Smoke study of nozzle secondary flows in a low-speed turbine (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

TURBOJET PLANE ENGINES see Aeroplanes —Turbojet engines

TURBOJET TRANSPORTS see Jet transports

TURBOPROP ENGINES (AEROPLANES) see Aeroplanes—Turbine-propeller engines

TURBULENCE

Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

Turbulence (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

TURKEY

Introducing Turkey (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

Turkey (*Motion picture*) U. S. Dept. of Defense, 1962. Made by U. S. Dept. of the Army.

TURKEYS

It's carving time (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—FEEDING AND FEEDS

Beltsville newsreel, no. 7 (*Motion picture*) U. S. Dept. of Agriculture, 1957.

TUTORIAL MACHINES see Teaching machines

TWINING, NATHAN FARRAGUT

Things to be remembered (*Motion picture*) U. S. Dept. of the Air Force, 1961.

TWIST DRILLS

Care and use of hand tools. Part 5: Twist drills (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De-Frenes Co.

TYPEWRITING

Advanced typing: Duplicating and manuscript (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

Advanced typing: Shortcuts (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

Basic typing: Machine operation (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

Basic typing: Methods (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

TYPHOID FEVER

Febre tifóide (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

La tifoidea (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

The typhoid carrier (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

TYPHUS FEVER

Epidemiology of murine typhus (*Motion picture*) U. S. Public Health Service, 1953.

Guerra ao piolho (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Insect repellent, part 2 (*Motion picture*) U. S. Dept. of the Army, 1955.

Kill the louse (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

El tifo (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

Typhus in Naples (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

U

U H F RADIO see Radio, Short wave

U N E S C O see United Nations Educational, Scientific and Cultural Organization

U S A E P G see U.S. Army. Electronic Proving Ground, Fort Huachuca, Ariz.

ULMECAS see Olmecs

ULTRACENTRIFUGES see Centrifuges

ULTRAHIGH FREQUENCY RADIO see Radio, Short wave

UMBILICUS

—HERNIA

Surgical management of omphalocele; Second stage repair (*Motion picture*) U. S. Dept. of the Navy, 1957.

UNCINARIA see Hookworms

UNCINARIASIS see Hookworm disease

UNDERPINNING see Shoring and underpinning

UNDERWATER ACOUSTICS

see also Sonar

Introduction to underwater sound (*Motion picture*) U. S. Dept. of the Navy, 1959.

UNDERWATER EXPLORATION see Diving, Submarine

UNDERWATER EXPLOSIONS

Budget nine Bikini (*Motion picture*) U. S. Army Engineers, 1953.

UNDULANT FEVER

The triple threat of brucellosis (*Motion picture*) U. S. Dept. of Agriculture, 1951.

UNESCO see United Nations Educational, Scientific and Cultural Organization

UNITED NATIONS

The Economic and Social Council at work (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

Japan and the UN: What is the UN? (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1952.

Red China and the United Nations (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

UNITED NATIONS. GENERAL ASSEMBLY

Town meeting of the world (*Motion picture*) U. S. Dept. of the Army, 1952. Made by March of Time. Released for public educational use through U. S. Office of Education, 1952.

UNITED NATIONS COMMAND. MILITARY ARMISTICE COMMISSION see Military Armistice Commission

UNITED NATIONS CONFERENCE ON INTERNATIONAL ORGANIZATION, SAN FRANCISCO, 1945

San Francisco, 1945 (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

UNESCO and Japan (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

UNITED STATES

Introducing the United States (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by News of the day. Released in the United States by U. S. Dept. of State.

A pilgrimage of liberty (*Motion picture*) U. S. Information Agency, 1958. Made by Victor Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1958.

—AIR DEFENSES

Air Force news review, no. 57 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Alert in the Pacific (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Exercise Bright Star/Pine Cone III (*Motion picture*) U. S. Dept. of the Air Force, 1961.

In your defense (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Scramble two—the joint use of air defense and air traffic control facilities (*Motion picture*) U. S. Dept. of the Air Force, 1963.

Shield against invasion (*Motion picture*) U. S. Dept. of the Air Force, 1959.

24 hour alert (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—AIR NATIONAL GUARD

The Air Reserve Forces (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Two hats (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—ARMED FORCES

Armed Forces Day (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

Armed forces of the U. S. A. (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

Armed Forces screen magazine, no. 501 (*Motion picture*) U. S. Dept. of Defense, 1952.

Armed Forces screen magazine, no. 505 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 509 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 510 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 511 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 512 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 513 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 514 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 515 (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 516 (*Motion picture*) U. S. Dept. of Defense, 1953 Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 518 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 519 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 520 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 521 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 523 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 524 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 525 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 526 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 527 (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 530 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 532 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 534 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 535 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 537 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 538 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 539 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 540 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 542 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 543 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 544 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 546 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 547 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Armed Forces screen magazine, no. 548 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Code of conduct. Article 3: To resist (*Motion picture*) U. S. Dept. of the Army, 1960.

Code of conduct. Article 4: Keep faith (*Motion picture*) U. S. Dept. of the Army, 1960.

Code of conduct. Article 5: My responsibilities (*Motion picture*) U. S. Dept. of the Army, 1960.

Code of conduct. Article 6: Stand firm (*Motion picture*) U. S. Dept. of the Army, 1960.

The Code: The U. S. fighting man's Code of conduct (*Motion picture*) U. S. Dept. of Defense, 1959.

Cummings City: Military assistance in civil disaster (*Motion picture*) U. S. Dept. of Defense, 1958.

The eagle's talon (*Motion picture*) U. S. Department of Defense, 1962.

A free people (*Motion picture*) U. S. Dept. of Defense, 1962. Made by U. S. Dept. of the Army.

How to get along in a foreign country (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 553 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 554 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 556 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 558 (*Motion picture*) U. S. Dept. of Defense, 1958.

I & E screen magazine, no. 560 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 561 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 562 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 563 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 564 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 565 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 566 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 570 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 571 (*Motion picture*) U. S. Dept. of Defense, 1959.

I & E screen magazine, no. 572 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

I & E screen magazine, no. 574 (*Motion picture*) U. S. Dept. of Defense, 1960.

I & E screen magazine, no. 576 (*Motion picture*) U. S. Dept. of Defense, 1960.

I & E screen magazine, no. 577 (*Motion picture*) U. S. Dept. of Defense, 1960.

UNITED STATES

—ARMED FORCES (Continued)

I & E screen magazine, no. 578 (*Motion picture*) U. S. Dept. of Defense, 1960.

On post safety (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1962.

Panama (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Resist (*Motion picture*) U. S. Dept. of the Army, 1959.

Serving the nation (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

Teamed for peace (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.

Teamwork and you (*Motion picture*) U. S. Dept. of Defense, 1950.

Your legal status in the Republic of Germany (*Motion picture*) U. S. Dept. of Defense, 1959.

—ARMED FORCES—CHAPLAINS

The chaplain and the commander (*Motion picture*) U. S. Dept. of the Army, 1962.

—ARMED FORCES—COMMUNICATION SYSTEMS

United States Army Signal Equipment Support Agency (*Motion picture*) U. S. Dept. of the Army, 1959.

—ARMED FORCES—FOREIGN SERVICE

Overseas duty (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

—ARMED FORCES—MILITARY LIFE

Cheechako!—So you're going to Alaska (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

—ARMED FORCES—MILITARY POLICE

MP highway patrol in Germany (*Motion picture*) U. S. Dept. of the Army, 1953.

Military police approach: Vehicles (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

Military police on trains (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use, 1956.

Military police support in amphibious operations (*Motion picture*) U. S. Dept. of the Army, 1953.

Military police town patrol. Part 1: Foot patrols (*Motion picture*) U. S. Dept. of the Army, 1956.

Military police town patrol. Part 2: Motor patrols (*Motion picture*) U. S. Dept. of the Army, 1955.

Operation thunderbolt (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

Processing of evidence, part 1: Preservation and collection (*Motion picture*) U. S. Dept. of the Army, 1960.

Processing of evidence, part 2: Handling, evaluating, and identifying (*Motion picture*) U. S. Dept. of the Army, 1960.

—ARMED FORCES—ORDNANCE AND ORDNANCE STORES

U. S. Joint Chiefs of Staff weapons demonstration, Caribbean, 19 February–1 March 1961 (Motion picture) U. S. Dept. of the Army, 1961.

U. S. weapons in combat (*Motion picture*) U. S. Dept. of the Army, 1953.

—ARMED FORCES—PROCUREMENT

Defense procurement: Contract administration (*Motion picture*) U. S. Dept. of the Army, 1960.

—ARMED FORCES—RECRUITING, ENLISTMENT, ETC.

Chaplain U. S. A. (*Motion picture*) U. S. Dept. of the Army, 1955.

—ARMED FORCES—RESERVES

see also U.S.—Militia

Man with a mission (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

The reserve team (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

—ARMED FORCES—SPORTS

I & E sportsreel, no. 240 (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

—ARMED FORCES—TRANSPORTATION

Arctic shipping: MSTS Arctic operations (*Motion picture*) U. S. Dept. of the Navy, 1958.

Military Traffic Management Agency (*Motion picture*) U. S. Dept. of Defense, 1959.

—ARMED FORCES—WOMEN

The price of liberty (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

—CIVILIAN DEFENSE

Civil defense for farmers (*Motion picture*) U. S. Dept. of Agriculture, 1956.

The civil defense problem (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

—CIVILIZATION

American history II, lecture 7: Modern American society and culture (*Motion picture*) U. S. Dept. of Defense, 1956.

The challenge of ideas (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

Dynamics of moral leadership: What America stands for (*Motion picture*) U. S. Dept. of the Air Force, 1961.

—CONSULAR SERVICE see U.S. —Diplomatic and consular service

—DEFENSES

The Army: Deterrent to aggression (*Motion picture*) U. S. Dept. of the Army, 1960.

The common defense (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

Economy is everybody's business (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1952.

The pentomic Army (*Motion picture*) U. S. Dept. of the Army, 1958.

Preparedness and national security (*Motion picture*) U. S. Dept. of Defense, 1951.

Provide for the common defense (*Motion pict*[illegible]) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

The reserve team (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

The role of the Army (*Motion picture*) U. S. Dept. of the Army, 1955.

Your defense (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

—DIPLOMATIC AND CONSULAR SERVICE

Architects of peace (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

—DISCOVERY AND EXPLORATION see America—Discovery and exploration

—ECONOMIC CONDITIONS

American anniversary (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

American history I, lecture 11: Changes occur in the American economic life (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 18: The rise of modern industrial America (*Motion picture*) U. S. Dept. of Defense, 1956.

An American portrait (*Motion picture*) U. S. Dept. of State, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

Factory worker turns farmer (*Motion picture*) U. S. Dept. of State, 1949. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1950.

—EMIGRATION AND IMMIGRATION

Immigrants (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

—FOREIGN ECONOMIC RELATIONS

American history II, lecture 5: Problems of finance and foreign trade in an industrial economy (*Motion picture*) U. S. Dept. of Defense, 1956.

—FOREIGN POPULATION

American anniversary (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

—FOREIGN RELATIONS

American history II, lecture 2: The United States continues its policy of isolation (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 18: The United States in today's world (*Motion picture*) U. S. Dept. of Defense, 1956.

The dilemma of the U. S. foreign policy in the Middle East (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

Latin America (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

—GOVERNMENT see U.S.—Politics and government

—HISTORIC HOUSES, ETC.

Historic rural homes (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

Homemaking in colonial days (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

A pilgrimage of liberty (*Motion picture*) U. S. Information Agency, 1958. Made by Victor Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1958.

Rural colonial and early American homes and gardens (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

—HISTORY

A free people (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

The long rifle (*Motion picture*) U. S. Dept. of the Army, 1951.

—HISTORY—ANECDOTES

Heritage of freedom (*Motion picture*) U. S. Dept. of the Army, 1963.

—HISTORY—REVOLUTION

American history I, lecture 4: England's American policy leads to revolt (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 5: The War for Independence (*Motion picture*) U. S. Dept. of Defense, 1956.

War of Independence, 1775–1783 (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Creative Arts Studio.

—HISTORY—CONFEDERATION, 1783-1789

American history I, lecture 6: The critical period; the Articles of confederation to the Constitution (*Motion picture*) U. S. Dept. of Defense, 1956.

—HISTORY—CONSTITUTIONAL PERIOD, 1789-1809

Tom Schuler, cobbler statesman (*Motion picture*) U. S. Information Agency, 1953. Made by Sketchbook Film Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

—HISTORY—WAR WITH FRANCE, 1798-1800

The naval wars with France and Tripoli (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Creative Arts Studio.

—HISTORY—TRIPOLITAN WAR, 1801-1805

The naval wars with France and Tripoli (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Creative Arts Studio.

UNITED STATES (Continued)

—HISTORY—WAR OF 1812

The War of 1812 (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Creative Arts Studio.

—HISTORY—WAR WITH MEXICO, 1845-1848

American history I, lecture 13: The Nation expands to the Pacific (*Motion picture*) U. S. Dept. of Defense, 1956.

—HISTORY—CIVIL WAR

American history I, lecture 15: The North and South fight a bitter war (*Motion picture*) U. S. Dept. of Defense, 1956.

History of the U. S. Navy: The Civil War, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.

History of the U. S. Navy: The Civil War, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.

I & E screen magazine, no. 552 (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

—HISTORY—WAR OF 1898

American history II, lecture 8: The United States adopts a policy of imperialism (*Motion picture*) U. S. Dept. of Defense, 1956.

Navy decline, the new Navy, and the war with Spain, 1865–1898 (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

—HISTORY, JUVENILE

American painting in history (*Filmstrip*) U. S. National Gallery of Art, 1959.

—HISTORY, MILITARY

The American soldier in combat (*Motion picture*) U. S. Dept. of the Army, 1960.

The man in two places (*Motion picture*) U. S. Dept. of the Army, 1956.

One if by land (*Motion picture*) U. S. Dept. of the Army, 1956.

A tale of 2,000 cities (*Motion picture*) U. S. Dept. of the Army, 1956.

Traditions and achievements of the Army (*Motion picture*) U. S. Dept. of the Army, 1957.

—INDUSTRIES

American history II, lecture 3: The rise of modern industrial America (*Motion picture*) U. S. Dept. of Defense, 1956.

Junior achievement (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Murphy Lillis. Released for public educational use through U. S. Office of Education, 1949.

—MILITARY POLICY

The common defense (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

—MILITIA

The reserve team (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

The whites of their eyes (*Motion picture*) U. S. Dept. of the Army, 1956.

Your National Guard (*Motion picture*) U. S. Dept. of the Army, 1951.

—NATIONAL GUARD

Take 6 (*Motion picture*) U. S. Dept. of the Army, 1956.

Your National Guard (*Motion picture*) U. S. Dept. of the Army, 1951.

—POLITICS AND GOVERNMENT

American history I, lecture 3: The colonists develop a life of their own (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 7: The Federalists launch the new government (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 8: Republicans strengthen the Nation at home and abroad (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 9: Growing national unity is checked by sectional differences (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 10: Andrew Jackson dominates the political scene (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 1: The political arena, 1865–1900 (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 15: American politics, 1900–1920; the progressive movement (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 16: American politics, 1920–1932; the conservative reaction (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 17: Roosevelt and the New Deal (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 18: The United States in today's world (*Motion picture*) U. S. Dept. of Defense, 1956.

Economy is everybody's business (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1952.

Japanese Diet members observe U. S. Government in action (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.

Preparedness and national security (*Motion picture*) U. S. Dept. of Defense, 1951.

President Kennedy's state of the Union message (*Motion picture*) U. S. Information Agency, 1961. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1961.

Tuesday in November (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Peace and friendship in freedom: President Eisenhower's 11-nation tour (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.

—RELATIONS (GENERAL) WITH SPANISH AMERICA

American history II, lecture 9: America's relations with her neighbors to the south (*Motion picture*) U. S. Dept. of Defense, 1956.

—RELIGION

One nation under God (*Motion picture*) U. S. Dept. of the Army, 1961.

—RURAL CONDITIONS

Farm and home development (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

—SOCIAL LIFE AND CUSTOMS

American history I, lecture 3: The colonists develop a life of their own (*Motion picture*) U. S. Dept. of Defense, 1956.

American history I, lecture 20: American society at the turn of the century (*Motion picture*) U. S. Dept. of Defense, 1956.

Colonial home industries (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. National Museum, 1939.

Homemaking in colonial days (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

On the trail of George Washington (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission and U. S. National Park Service, 1932.

Pursuit of happiness (*Motion picture*) U. S. Information Agency, 1957. Made by Herbert Kerkow, inc. Released for public educational use in the United States through U. S. Office of Education, 1957.

—TERRITORIAL EXPANSION

American history I, lecture 13: The Nation expands to the Pacific (*Motion picture*) U. S. Dept. of Defense, 1956.

—TERRITORIES AND POSSESSIONS

American history II, lecture 2: The United States continues its policy of isolation (*Motion picture*) U. S. Dept. of Defense, 1956.

American history II, lecture 8: The United States adopts a policy of imperialism (*Motion picture*) U. S. Dept. of Defense, 1956.

U. S. AEROSPACE MEDICAL CENTER, BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS. SCHOOL OF AEROSPACE MEDICINE see U. S. School of Aerospace Medicine

U. S. AGRICULTURAL RESEARCH CENTER, BELTSVILLE, MD.

Is research your job? Careers in human nutrition and home economics (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

U. S. AGRICULTURAL RESEARCH SERVICE

Breakthrough: The challenge of agricultural research (*Motion picture*) U. S. Dept. of Agriculture, 1960.

U. S. AIR FORCE

The ABC's of briefing (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force cameras in action (*Motion picture*) U. S. Dept. of the Air Force, 1959.

The Air Force flight test center (*Motion picture*) U. S. Dept. of the Air Force, 1956.

The Air Force heavy press program (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 1 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 2 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 3 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 4 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 5 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 6 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 7 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 8 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 9 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 10 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 11 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 12 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Air Force news review, no. 13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 14 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 15 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 16 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 17 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 18 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 20 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 22 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 23 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 24 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 25 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 26 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force news review, no. 27 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 28 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

U. S. AIR FORCE (Continued)

Air Force news review, no. 29 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 30 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 31 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 32 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 33 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 34 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 35 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 36 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 37 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 38 (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Air Force news review, no. 39 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 40 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 41 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 42 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 43 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 44 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 45 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 46 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 47 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 48 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 49: Highlights 1959 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Air Force news review, no. 50 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 51 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 54 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 55 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 56 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 58 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 59 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Air Force news review, no. 63 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Air Force news review, no. 64 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Air Force news review, no. 65 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Air Force news review, no. 66 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Air Force news review, no. 67 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Air Force news review, no. 68 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Air Force news review, no. 74 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 76 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 77 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 78 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 79 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 80 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 81 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 82 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force News review, no. 83 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 84 (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Air Force news review, no. 85 (*Motion picture*) U. S. Dept. of the Air Force, 1963.

Air Force news review, no. 86 (*Motion picture*) U. S. Dept. of the Air Force, 1963.

The Air Force story: Cold war, 1948–1950 (*Motion picture*) U. S. Dept. of the Air Force. 1959.

Air Force tactical firepower (*Motion picture*) U. S. Dept. of the Air Force, 1963.

The aircraft observer's place in the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Arctic airlift (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Cargo critical (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by Herbert Kerkow Productions.

For your own (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Ground safety on the flight line, part 1 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Ground safety on the flight line, part 2 (*Motion picture*) U. S. Dept. of the Air Force, 1956.

The man behind the badge (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Mission of the United States Air Force (*Motion picture*) U. S. Dept. of Defense, 1957.

Patents and Air Force research and development (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Peace through strength (*Motion picture*) U. S. Dept. of the Air Force, 1954.

Photographic highlights of USAF activities (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Photographic highlights of USAF activities, 1959 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

The pilot and air traffic control (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Reaching for space (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Small business and the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1952.

Tactical bomber in all-weather operations (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Tactical day fighter and fighter bomber operations (*Motion picture*) U. S. Dept. of the Air Force, 1955.

That men may fly (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by American Film Producers.

This is Headquarters Command, USAF (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Thunder from the skies (*Motion picture*) U. S. Dept. of the Air Force, 1950.

Toward a free world (*Motion picture*) U. S. Dept. of the Air Force, 1962.

We saw it happen (*Motion picture*) U. S. Dept. of the Air Force, 1954.

We're a team (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Your Air Force in action (*Motion picture*) U. S. Dept. of the Air Force, 1950.

—AIRMEN

Seven letters (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—BARRACKS AND QUARTERS

Air Force family housing (*Motion picture*) U. S. Dept. of the Air Force, 1960.

—CHAPLAINS

Never alone (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—COMMUNICATION SYSTEMS

Aerospace communications: The reins of command (*Motion picture*) U. S. Dept. of the Air Force, 1961.

—EQUIPMENT

Air Force non-destructive testing (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Quality control: a management tool (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—EQUIPMENT—MAINTENANCE AND REPAIR

Maintenance management: Collection and use of maintenance data (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Maintenance management: Maintenance manhour reporting and control (*Motion picture*) U. S. Dept. of the Air Force, 1960.

—FUEL

Air Force fuel and facilities: Aviation fuel dispensing facilities (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force fuel and facilities: Aviation fuel receipt and storage (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Air Force fuel and facilities: Aviation fuel supply and transportation (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Maintenance of installed petroleum facilities (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—HISTORY

The Air Force story: Our world-wide Air Force, 1953–1959 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

—JOB DESCRIPTIONS

Over your signature: Position classification (*Motion picture*) U. S. Dept. of the Air Force, 1961.

—LEAVES AND FURLOUGHS

Air Force leave and pass policies (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—MANAGEMENT

In service management engineering: Project AFTO (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Work simplification (*Motion picture*) U. S. Army Air Forces, 1945.

—MANEUVERS

The field training program in the USAF (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—MILITARY LIFE

Air Force customs and courtesies (*Motion picture*) U. S. Dept. of the Air Force, 1955.

It's up to you (*Motion picture*) U. S. Dept. of the Air Force, 1956.

To a foreign land (*Motion picture*) U. S. Dept. of the Air Force, 1960.

—NON-COMMISSIONED OFFICERS

Noncommissioned officer academy (*Motion picture*) U. S. Dept. of the Air Force, 1955.

—OFFICERS

The Air Force engineer (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Supersonic thunderbirds (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Tomorrow's Air Force through today's education (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Your personal affairs officer (*Motion picture*) U. S. Dept. of the Air Force, 1962.

U. S. AIR FORCE (Continued)

—ORDNANCE AND ORDNANCE STORES

The Air Force missile mission (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Missile logistics (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—ORGANIZATION

Organization: Key to air power (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—PROCUREMENT

Base procurement (*Motion picture*) U. S. Dept. of the Air Force. 1958.

Contract negotiation techniques (*Motion picture*) U. S. Dept. of the Air Force, 1958.

How to live with an Air Force contract (*Motion picture*) U. S. Dept. of the Air Force. 1957.

Simulogs (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—RECRUITING, ENLISTMENT, ETC.

It's up to you (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—SAFETY MEASURES

Flying safety report no. 5 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Industrial medicine in action: Toxic chemical agents (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Pilot emergency escape survival system of the F/TF-102A (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—SANITARY AFFAIRS

Medical planning for a task force operation (*Motion picture*) U. S. Dept. of the Army, 1952.

Team work for a controlled environment (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—SUPPLIES AND STORES

Hi-valu and you (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Materials: Key to progress (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Materiel handling methods in U. S. Air Force depots (*Motion picture*) U. S. Dept. of the Air Force, 1943. Released for public educational use 1961.

Property disposal in the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—TRANSPORTATION

Maintenance and management of USAF vehicles (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—UNIFORMS

The Air Force uniform (*Motion picture*) U. S. Dept. of the Air Force, 1958.

U. S. AIR FORCE. 4520th AERIAL DEMONSTRATION TEAM

Crossover (*Motion picture*) U. S. Dept. of the Air Force, 1963.

U. S. AIR FORCE. AIR DEFENSE COMMAND

Scramble two—the joint use of air defense and air traffic control facilities (*Motion picture*) U. S. Dept. of the Air Force, 1963.

U. S. AIR FORCE. AIR MATERIAL COMMAND

How to live with an Air Force contract (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Missile logistics (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Pipeline to tomorrow (*Motion picture*) U. S. Dept. of the Air Force, 1958.

Quality control (*Motion picture*) U. S. Dept. of the Air Force, 1955.

U.S. AIR FORCE. AIR PROVING GROUND COMMAND

Air Proving Ground Command (*Motion picture*) U. S. Dept. of the Air Force, 1957.

U. S. AIR FORCE. AIR RESEARCH AND DEVELOPMENT COMMAND

ARDC, special staff film report (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Air science in action (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Career opportunities in ARDC (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Organization: Key to air power (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Pipeline to tomorrow (*Motion picture*) U. S. Dept. of the Air Force, 1958.

U. S. AIR FORCE. JUDGE ADVOCATE GENERAL

Counselor in uniform (*Motion picture*) U. S. Dept. of the Air Force, 1961.

U. S. AIR FORCE. LOGISTICS SERVICE

Pipeline in the sky (*Motion picture*) U. S. Dept. of the Air Force, 1955.

U. S. AIR FORCE. MEDICAL RESERVE

Medical minute men (*Motion picture*) U. S. Dept. of the Air Force, 1955.

U. S. AIR FORCE. MISSILE TEST CENTER, COCOA, FLA. see U. S. Air Force Missile Test Center, Cocoa, Fla.

U. S. AIR FORCE. RESERVE OFFICERS' TRAINING CORPS

Mister! Meet the future (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Moments of decision (*Motion picture*) U. S. Dept. of the Air Force, 1960.

U. S. AIR FORCE. SCHOOL OF AEROSPACE MEDICINE see U. S. School of Aerospace Medicine

U. S. AIR FORCE. STRATEGIC AIR COMMAND

MATS control teams for SAC movements: Organization and preparation (*Motion picture*) U. S. Dept. of the Air Force, 1956.

MATS control teams for SAC movements: The results of planning (*Motion picture*) U. S. Dept. of the Air Force, 1956.

Men and planes (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Noncommissioned officer academy (*Motion picture*) U. S. Dept. of the Air Force, 1955.

SAC combat competition, 1960 (*Motion picture*) U. S. Dept. of the Air Force, 1960.

SAC film report, no. 3, April 1961 (*Motion picture*) U. S. Dept. of the Air Force, 1961.

Strategic Air Command (*Motion picture*) U. S. Dept. of Defense, 1952.

U. S. AIR FORCE. TACTICAL AIR COMMAND

Mobile Yoke (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Operation Quick Span (*Motion picture*) U. S. Dept. of the Air Force, 1960.

U. S. AIR FORCE. WOMEN IN THE AIR FORCE

Because she is there (*Motion picture*) U. S. Dept. of the Air Force, 1953.

U. S. AIR FORCE ACADEMY

Class of '59 (*Motion picture*) U. S. Dept. of the Air Force, 1955.

June week (*Motion picture*) U. S. Dept. of the Air Force, 1960.

School of the sky (*Motion picture*) U. S. Dept. of the Ai Force, 1959.

U. S. AIR FORCE FLIGHT TEST CENTER, EDWARDS AIR FORCE BASE, CALIF.

Photography in the USAF: Scientific photography at the Air Force Flight Test Center (*Motion picture*) U. S. Dept. of the Air Force, 1963.

U.S. AIR FORCE MISSILE DEVELOPMENT CENTER, HOLLOMAN AIR FORCE BASE, N.M.

Holloman: Frontier of the future (*Motion picture*) U. S. Dept. of the Air Force, 1957.

The sky is no limit (*Motion picture*) U. S. Dept. of the Air Force, 1952.

U. S. AIR FORCE MISSILE TEST CENTER, COCOA, FLA.

The Air Force Missile Test Center (*Motion picture*) U. S. Dept. of the Air Force, 1962.

U. S. AIR FORCE MISSILE TEST CENTER, PATRICK AIR FORCE BASE, FLA.

Count down (*Motion picture*) U. S. Dept. of the Air Force. 1957.

U. S. AIR FORCE NURSE CORPS

A charm for Katy (*Motion picture*) U. S. Dept. of the Air Force, 1955.

U. S. AIR FORCE RESERVE

The Air Reserve Forces (*Motion picture*) U. S. Dept. o the Air Force, 1959.

Citizen airmen (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Forces in reserve (*Motion picture*) U. S. Dept. of the Air Force, 1963.

Reserve management in action (*Motion picture*) U. S Dept. of the Air Force, 1959.

Sentinels in the air (*Motion picture*) U. S. Dept. of th Air Force, 1957.

Trained and ready (*Motion picture*) U. S. Dept. of the Ai Force, 1957.

Two hats (*Motion picture*) U. S. Dept. of the Air Force 1959.

U. S. AIR RESCUE SERVICE

Know your Air Rescue Service (*Motion picture*) U. S. Dept. of the Air Force, 1954.

That others may live: the mission of the Air Rescue Service (*Motion picture*) U. S. Dept. of the Air Force, 1963.

U. S. AIR RESERVE RECORDS CENTER, DENVER

Manpower bank of the Air Force (*Motion picture*) U. S. Dept. of the Air Force, 1960.

U. S. AIRWAYS AND AIR COMMUNICATION SERVICE

The AACS story (*Motion picture*) U. S. Dept. of the Air Force, 1959.

U. S. ALBROOK AIR FORCE BASE, BALBOA, CANAL ZONE

Pan American Air Force school (*Motion picture*) U. S. Dept. of the Air Force, 1955.

U. S. AMES AERONAUTICAL LABORATORY, MOFFET FIELD, CALIF.

Ames Aeronautical Laboratory in action (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

U. S. ANIMAL DISEASE LABORATORY, PLUM ISLAND, N. Y.

Plum Island Animal Disease Laboratory (*Motion picture*) U. S. Dept. of Agriculture, 1958.

U. S. ARGONNE NATIONAL LABORATORY, CHICAGO

The Argonaut (*Motion picture*) U. S. Atomic Energy Commission, 1957.

The Argonne gamma irradiation facility (*Motion picture*) U. S. Atomic Energy Commission, 1957.

Construction of the Argonne research reactor (*Motion p ture*) U. S. Atomic Energy Commission, 1956.

U.S. ARMED SERVICES TECHNICAL INFORMATION AGENCY

ASTIA: Armed Services Technical Information Agency (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Today the research, tomorrow the weapon system (*Motion picture*) U. S. Dept. of the Air Force, 1962.

U.S. ARMY

All star team (*Motion picture*) U. S. Dept. of the Army, 1955.

Armor combat power (*Motion picture*) U. S. Dept. of the Army, 1958.

The Army: Deterrent to aggression (*Motion picture*) U. S. Dept. of the Army, 1960.

The fourth man: The civilian behind the soldier (*Motion picture*) U. S. Dept. of the Army, 1955.

Japan logistical command (*Motion picture*) U. S. Dept. of Defense, 1952.

A look at your Army (*Motion picture*) U. S. Dept. of the Army, 1956.

Mission of the Army (*Motion picture*) U. S. Dept. of the Army, 1953.

The mission of the United States Army (*Motion picture*) U. S. Dept. of Defense, 1957. Made by the U. S. Dept. of the Army.

Pass in review (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

The role of the Army (*Motion picture*) U. S. Dept. of the Army, 1955.

This is your Army (*Motion picture*) U. S. Dept. of the Army, 1954.

To provide for the common defense (*Motion picture*) U. S. Dept. of the Army, 1954.

Traditions and achievements of the Army (*Motion picture*) U. S. Dept. of the Army, 1957.

Your Army in disaster relief (*Motion picture*) U. S. Dept. of the Army, 1949.

—AIRBORNE TROOPS

D-day minus one (*Motion picture*) U. S. Army Air Forces, 1945.

—COMMISSARIAT

Consolidated messing operations (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Mess management: Conservation control in the management of a mess (*Motion picture*) U. S. Dept. of the Army, 1956.

Mess personnel: Profit and loss in the kitchen (*Motion picture*) U. S. Dept. of the Army, 1956.

Mess sanitation (*Motion picture*) U. S. Dept. of the Army, 1956.

Quartermaster quality control for subsistence items (*Motion picture*) U. S. Dept. of the Army, 19[illegible].

Ration breakdown (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

—COMMUNICATION SYSTEMS

The Army command and administrative network. Part 1: Network facilities (*Motion picture*) U. S. Dept. of the Army, 1956.

—EQUIPMENT

The case method of instruction, part 3 (*Motion picture*) U. S. Dept. of the Army, 1959.

Individual load-carrying equipment (*Motion picture*) U. S. Dept. of the Army, 1961.

Modern ordnance material: The M76 amphibious cargo carrier (*Motion picture*) U. S. Dept. of the Army, 1954.

New weapons and equipment for the Army (*Motion picture*) U. S. Dept. of the Army, 1955.

Preventive maintenance of signal equipment for commanders (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

Quality assured (*Motion picture*) U. S. Dept. of the Army, 1962.

Science and the Signal Corps (*Motion picture*) U. S. Dept. of the Army, 1960.

A sharper sword and a stronger shield (*Motion picture*) U. S. Dept. of the Army, 1959.

Task Force Frigid (*Motion picture*) U. S. Dept. of Defense, 1948.

Task Force Frigid (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

—FIELD SERVICE

Field training of the U. S. Corps of Cadets (*Motion picture*) U. S. Dept. of the Army, 1959.

—FINANCE

Dollars and sense: The Army financial management plan (*Motion picture*) U. S. Dept. of the Army, 1956.

—GUARD DUTY

Mechanical aids to physical security. Part 1: Perimeter barriers and personnel identification (*Filmstrip*) U. S. Dept. of the Army, 1955.

The search (*Motion picture*) U. S. Dept. of the Army, 1959.

—MANAGEMENT

The case method of instruction, part 2 (*Motion picture*) U. S. Dept. of the Army, 1959.

The case method of instruction, part 3 (*Motion picture*) U. S. Dept. of the Army, 1959.

Introduction to automatic data processing (*Motion picture*) U. S. Dept. of the Army, 1958.

Work simplification in the shop (*Motion picture*) U. S. Dept. of the Army, 1954.

—MANEUVERS

The aggressor force (*Motion picture*) U. S. Dept. of the Army, 1950.

Exercise ski jump (*Motion picture*) U. S. Dept. of the Army, 1954.

Exercise Yukon (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Hit the beach (*Motion picture*) U. S. Dept. of the Army, 1950.

Task Force Frigid (*Motion picture*) U. S. Dept. of Defense, 1948.

Task Force Frigid (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

—MILITARY LIFE

Adjustment to military life (*Motion picture*) U. S. Dept. of the Army, 1954.

The Army entertainment program (*Filmstrip*) U. S. Dept. of the Army, 1954.

Best by test (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

Dress rehearsal (*Motion picture*) U. S. Dept. of the Army, 1952.

It's up to you (*Motion picture*) U. S. Dept. of the Army, 1955.

It's your future (*Motion picture*) U. S. Dept. of the Army, 1953.

Letter from a mother (*Motion picture*) U. S. Dept. of the Army, 1955.

A look ahead (*Motion picture*) U. S. Dept. of the Army, 1953.

No place like home (*Motion picture*) U. S. Dept. of Defense, 1947.

Service plus (*Motion picture*) U. S. Dept. of Defense, 1950.

The soldier's mission and responsibilities (*Motion picture*) U. S. Dept. of the Army, 1955.

Something about a soldier (*Motion picture*) U. S. Dept. of Defense, 1948.

Standards of a serviceman (*Motion picture*) U. S. Dept. of Defense, 1951.

U. S. Army service clubs (*Filmstrip*) U. S. Dept. of the Army, 1954.

Wearing of the uniform (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

—NON-COMMISSIONED OFFICERS

Greatness (*Motion picture*) U. S. Dept. of the Army, 1958.

—OFFICERS

Officer school: U. S. Army (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

—OFFICIALS AND EMPLOYEES

Look toward tomorrow (*Motion picture*) U. S. Dept. of the Army, 1960.

—ORDNANCE AND ORDNANCE STORES

Establishment of a field ammunition supply point (*Motion picture*) U. S. Dept. of the Army, 1960.

Let's look at ordnance (*Motion picture*) U. S. War Dept., 1945.

Ordnance service in an overseas theater (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

—ORGANIZATION

The pentomic Army (*Motion picture*) U. S. Dept. of the Army, 1958.

—PARACHUTE TROOPS

The airborne soldier (*Motion picture*) U. S. Dept. of the Army, 1956.

Paratroops (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education. 1945.

—PERSONNEL MANAGEMENT

Effective utilization of manpower in the U. S. Army (*Motion picture*) U. S. Dept. of the Army, 1962.

—PHYSICAL TRAINING

Physical training, Army drill number one. Part 1: Exercises 1–4 (*Motion picture*) U. S. Dept. of the Army, 1956.

Physical training, Army drill number one. Part 2: Exercises 5–8 (*Motion picture*) U. S. Dept. of the Army, 1956.

Physical training, Army drill number one. Part 3: Exercises 9–12 (*Motion picture*) U. S. Dept. of the Army, 1956.

Physical training, Army drill number one. Part 4: Alternate exercises, supplementary activities (*Motion picture*) U. S. Dept. of the Army, 1956.

—PRISONS

Rehabilitation of military prisoners (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

—PROCUREMENT

MIL-D-70327: Engineering documentation for uniform requirements (*Motion picture*) U. S. Dept. of the Army, 1961.

—RECORDS AND CORRESPONDENCE

The Army statistical and accounting system (*Motion picture*) U. S. Dept. of the Army, 1960. Released for public educational use through U. S. Office of Education, 1962.

—RECRUITING, ENLISTMENT, ETC.

It's your future (*Motion picture*) U. S. Dept. of the Army, 1953.

Prepare thru education (*Motion picture*) U. S. Dept. of the Army, 1955.

Sgt. MacDuff, salesman (*Motion picture*) U. S. Dept. of the Army, 1955.

—REGULATIONS

How free am I? (*Motion picture*) U. S. Dept. of the Army, 1957.

—RESERVES

Our sons (*Motion picture*) U. S. Dept. of the Army, 1958.

—SANITARY AFFAIRS

Medical planning for a task force operation (*Motion picture*) U. S. Dept. of the Army, 1962.

Mess sanitation, part 1 (*Motion picture*) U. S. Dept. of the Army, 1954.

Mess sanitation, part 2 (*Motion picture*) U. S. Dept. of the Army, 1954.

U.S. ARMY

—SANITARY AFFAIRS (Continued)

Mess sanitation, part 3 (*Motion picture*) U. S. Dept. of the Army, 1954.

—SONGS AND MUSIC

The caissons go rolling along (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

—SPORTS

Army sports (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

—SUPPLIES AND STORES

Ammunition supply point (ASP) operation (*Motion picture*) U. S. Dept. of the Army, 1954.

The big picture: Operation Lifeline (*Motion picture*) U. S. Dept. of the Army, 1958.

The industry-Army quality assurance program (*Motion picture*) U. S. Dept. of the Army, 1960.

Quartermaster quality control for clothing and textile items (*Motion picture*) U. S. Dept. of the Army, 1959.

Quartermaster quality control for general supplies (*Motion picture*) U. S. Dept. of the Army, 1959.

Supply procedures for TOE organizations and non-TOE activities (*Motion picture*) U. S. Dept. of the Army, 1959.

Warehousing series. Part 1: Storage procedures (*Motion picture*) U. S. Dept. of the Army, 1958.

Warehousing series. Part 2: Aisle arrangement (*Motion picture*) U. S. Dept. of the Army, 1958.

Warehousing series. Part 3: Bins, racks and box pallets (*Motion picture*) U. S. Dept. of the Army, 1958.

Warehousing series. Part 5: Receiving and shipping of supplies (*Motion picture*) U. S. Dept. of the Army, 1958.

—TRANSPORTATION

Icecap, II (*Motion picture*) U. S. Dept. of the Army, 1954.

The Military Sea Transportation Service: Troop transportation (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.

Transportation of casualties (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

—UNIFORMS

Fitting of the Army green uniform (*Motion picture*) U. S. Dept. of the Army, 1957.

The history of the U. S. Army uniform (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

Quartermaster quality control for clothing and textile items (*Motion picture*) U. S. Dept. of the Army, 1959.

Wearing of the uniform (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

U.S. ARMY. AIR CORPS

The Air Force story: After the war, 1918–1923 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Air power advances, 1935–1937 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Between wars, 1930–1935 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Prelude to war, 1937–1939 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Struggle for recognition, 1924–1930 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The air war starts, 1939–1941 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The drawing of the battle lines, December 1941 to April 1942 (*Motion picture*) U. S. Dept.

U.S. ARMY. 2d ARMORED DIVISION

Hell on wheels (*Motion picture*) U. S. Dept. of the Army, 1951.

U.S. ARMY. FIRST ARMY

American First Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.

U.S. ARMY. THIRD ARMY

The famous Third Army (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

U.S. ARMY. FIFTH ARMY

San Pietro (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

U.S. ARMY. SEVENTH ARMY

Invasion of southern France (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. NINTH ARMY

American Ninth Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

U.S. ARMY. BROOKE ARMY MEDICAL CENTER, FORT SAM HOUSTON, TEX.

The big picture: Medical service Corps (*Motion picture*) U. S. Dept. of the Army, 1958.

U.S. ARMY. 1st CAVALRY DIVISION

The Admiralty Islands (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

Hell for leather (*Motion picture*) U. S. War Dept., 1946.

U.S. ARMY. VI CORPS

Sicily to Naples (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

U.S. ARMY. X CORPS

United Nations campaign in northeast Korea (*Motion picture*) U. S. Dept. of the Army, 1952.

U.S. ARMY. CORPS OF ENGINEERS

Engineer mission (*Motion picture*) U. S. Dept. of the Army, 1954.

The engineer supply mission (*Motion picture*) U. S. Army Engineers, 1958.

Fighters and builders (*Motion picture*) U. S. Army Engineers, 1959.

Great land (*Motion picture*) U. S. Army Engineers, 1955.

Operation Noah (*Motion picture*) U. S. Dept. of the Army, 1956.

Timber sales and inspection techniques (*Motion picture*) U. S. Army Engineers, 1956.

Towers above the sand (*Motion picture*) U. S. Army Engineers, 1954.

U.S. ARMY. CORPS OF MILITARY POLICE

Apprehension and search of persons (*Motion picture*) U. S. Dept. of the Army, 1956.

The military police story (*Motion picture*) U. S. Dept. of the Army, 1954.

Straggler control (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

U.S. ARMY. DENTAL CORPS

The Army Dental Service (*Motion picture*) U. S. Dept. of the Army, 1957.

U.S. ARMY. 1st DIVISION

The fighting First (*Motion picture*) U. S. War Dept., 1946.

U.S. ARMY. 6th DIVISION

Sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

U.S. ARMY. 7th DIVISION

Seventh Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949.

U.S. ARMY. 24th DIVISION

The victory division: 24th Infantry (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. 26th DIVISION

The Twenty-sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1952.

U.S. ARMY. 27th DIVISION

27th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

U.S. ARMY. 29th DIVISION

29th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. 30th DIVISION

Work horse of the western front: 30th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. 32d DIVISION

32nd Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1954.

U.S. ARMY. 34th DIVISION

The red bull attacks: 34th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. 35th DIVISION

The big wheel (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. 36th DIVISION

36th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

U.S. ARMY. 41st DIVISION

Sunset Division: 41st Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

U.S. ARMY. 43d DIVISION

Winged victory on foot: 43d Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

U.S. ARMY. 82d DIVISION

D-day minus one (*Motion picture*) U. S. Army Air Forces, 1945.

The 82d Airborne Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

U.S. ARMY. 83d DIVISION

The 83rd Infantry Division in Europe (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

U.S. ARMY. 101st DIVISION

D-day minus one (*Motion picture*) U. S. Army Air Forces, 1945.

U.S. ARMY. INFANTRY

Ranger (*Motion picture*) U. S. Dept. of the Army, 1960.

Reinforced rifle company in the attack (*Motion picture*) U. S. Dept. of the Army, 1960.

The reinforced rifle platoon in the attack of a built up area. Part 2: The attack (*Motion picture*) U. S. Dept. of the Army, 1954.

U.S. ARMY. MEDICAL CORPS

The U. S. Army medical team (*Motion picture*) U. S. Dept. of the Army, 1955.

Your bright tomorrow (*Motion picture*) U. S. Dept. of the Army, 1957.

U.S. ARMY. MEDICAL SUPPLY SERVICE see U.S. Army Medical Supply Service

U.S. ARMY. ORDNANCE CORPS

The unseen army (*Motion picture*) U. S. Dept. of the Army, 1954.

U.S. ARMY. RESERVE OFFICERS' TRAINING CORPS

Army ROTC (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

The Army ROTC: Learn today, lead tomorrow (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

U. S. ARMY. RESERVE OFFICERS' TRAINING CORPS (Continued)

Field training for ROTC (*Motion picture*) U. S. Dept. of the Army, 1956.

ROTC at work (*Motion picture*) U. S. Dept. of Defense, 1948.

U. S. ARMY. SIGNAL CORPS

A century of Army signals 1860–1960: A centennial message from the Chief Signal Officer, United States Army (*Motion picture*) U. S. Dept. of the Army, 1960.

Pro patria vigilans (*Motion picture*) U. S. Dept. of the Army, 1951.

Science and the Signal Corps (*Motion picture*) U. S. Dept. of the Army, 1950.

The Signal Corps prepares (*Motion picture*) U. S. Dept. of the Army, 1960.

United States Army Signal Equipment Support Agency (*Motion picture*) U. S. Dept. of the Army, 1959.

Your job in the Signal Corps (*Motion picture*) U. S. Dept. of the Army, 1961.

—AVIATION

The Air Force story: After the war, 1918–1923 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The beginning (*Motion picture*) U. S. Dept. of the Air Force, 1953.

U. S. ARMY. TRANSPORTATION CORPS

Icecap, I (*Motion picture*) U. S. Dept. of the Army, 1953.

Tractor sled operations (Icecap II) (*Motion picture*) U. S. Dept. of the Army, 1954.

U. S. ARMY. WALTER REED ARMY HOSPITAL, WASHINGTON, D. C.

Hearing evaluation and rehabilitation (*Motion picture*) U. S. Dept. of the Army, 1960.

U. S. ARMY. WALTER REED ARMY MEDICAL CENTER

Dental activities, Walter Reed Army Medical Center (*Motion picture*) U. S. Dept. of the Army, 1953.

Total body measurement of natural and acquired radioactivity in man (*Motion picture*) U. S. Dept. of the Army, 1961.

U. S. ARMY. WOMEN'S ARMY CORPS

Armed Forces screen magazine, no. 504 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.

Armed forces screen magazine, no. 506 (*Motion picture*) U. S. Dept. of Defense, 1953.

Military lady (WAC) (*Motion picture*) U. S. Dept. of the Army, 1959.

No greater heritage (*Motion picture*) U. S. Dept. of the Army, 1951.

On parade (*Motion picture*) U. S. Dept. of the Army, 1953.

Strictly personal (*Motion picture*) U. S. War Dept., 1945.

U. S. ARMY AIR FORCES

AAF comes of age (*Motion picture*) U. S. Army Air Forces, 1946.

The Air Force story: A new Air Force, 1945–1947 (*Motion picture*) U. S. Dept. of the Air Force, 1959.

The Air Force story: Air war against Japan, 1944–1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: D-day, June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Expanding air power, June 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Global operations, 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Maximum effort, October 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: North Africa, November 1942–May 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Ploesti, March–August 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Prelude to invasion, January–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Retreat and advance, June 1944–March 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Road to Rome, September 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Schweinfurt and Regensburg, August 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Superfort, August 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The AAF fights back, April–July 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The drawing of the battle lines, December 1941 to April 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The tide turns, June–December 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Two years of war, September–December 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Victory in Europe, June 1944–May 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Air power (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.

Victory in the air (*Motion picture*) U. S. Army Air Forces, 1945.

U.S. ARMY AIR FORCES. 8th AIR FORCE

The Air Force story: Maximum effort, October 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Victory in Europe, June 1944–May 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

U. S. ARMY AIR FORCES. 12th AIR FORCE

The Air Force story: Road to Rome, September 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

U. S. ARMY AIR FORCES. 13th AIR FORCE

Air pattern Pacific (*Motion picture*) U. S. Army Air Forces, 1945.

U. S. ARMY AIR FORCES. 14th AIR FORCE

China crisis (*Motion picture*) U. S. Army Air Forces, 1946.

U. S. ARMY AIR FORCES. 15th AIR FORCE

The Air Force story: Ploesti, March–August 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

U. S. ARMY AIR FORCES. 9th TROOP CARRIER COMMAND

D–Z Normandy: Employment of troop carrier forces (*Motion picture*) U. S. Army Air Forces, 1944.

U. S. ARMY ELECTRONIC PROVING GROUND, FORT HUACHUCA, ARIZ.

The invisible battleground (*Motion picture*) U. S. Dept. of the Army, 1962.

U. S. ARMY LANGUAGE SCHOOL, MONTEREY, CALIF.

Armed forces screen magazine—Linguists in uniforms and Clara Barton, angel of mercy (*Motion picture*) U. S. Dept. of Defense, 1962.

Army Language School (*Motion picture*) U. S. Dept. of the Army, 1961.

U. S. ARMY MEDICAL SERVICE

Diary of a sergeant (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

To hear again (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

U. S. ARMY MEDICAL SUPPLY SERVICE

Medical Supply Service, U. S. Army, part 1: Organization and administration (*Motion picture*) U. S. Dept. of the Army, 1961.

Medical Supply Service, U. S. Army, part 2: Operations at class I, class II, and overseas installations (*Motion picture*) U. S. Dept. of the Army, 1961.

U. S. ARMY NURSE CORPS

Nurses in the Army (*Motion picture*) U. S. Dept. of the Army, 1955.

U. S. ARMY RESERVE

The do it yourself peace (*Motion picture*) U. S. Dept. of the Army, 1956.

Fire power (*Motion picture*) U. S. Dept. of the Army, 1956.

I know where I'm going (*Motion picture*) U. S. Dept. of the Army, 1961.

The man in two places (*Motion picture*) U. S. Dept. of the Army, 1956.

Men 17 and 18½, your future and the new reserve law (*Motion picture*) U. S. Dept. of the Army, 1955.

One if by land (*Motion picture*) U. S. Dept. of the Army, 1956.

A tale of 2,000 cities (*Motion picture*) U. S. Dept. of the Army, 1956.

The whites of their eyes (*Motion picture*) U. S. Dept. of the Army, 1956.

U. S. ARMY SIGNAL RESEARCH AND DEVELOPMENT LABORATORY, FORT MONMOUTH, N. J.

Annual R&D progress report, 1959 (*Motion picture*) U. S. Dept. of the Army, 1960.

Annual R&D progress report, 1960 (*Motion picture*) U. S. Dept. of the Army, 1961.

U. S. ARNOLD ENGINEERING DEVELOPMENT CENTER, TULLAHOMA, TENN.

Springboard to space: the Arnold Center story (*Motion picture*) U. S. Dept. of the Air Force, 1963.

U. S. ATOMIC ENERGY COMMISSION. SAVANNAH RIVER OPERATIONS OFFICE

Building for atomic energy (*Motion picture*) U. S. Atomic Energy Commission, 1958.

U. S. BEEF CATTLE RESEARCH STATION, FRONT ROYAL, VA.

Beef cattle performance testing (*Motion picture*) U. S. Dept. of Agriculture, 1955.

U. S. BOLLING AIR FORCE BASE, WASHINGTON, D. C.

The story of an Air Force base (*Motion picture*) U. S. Dept. of the Air Force, 1962.

U. S. BUREAU OF HUMAN NUTRITION AND HOME ECONOMICS

Better living through research (*Motion picture*) U. S. Dept. of Agriculture, 1958.

U. S. BUREAU OF SHIPS

Ship design for tomorrow (*Motion picture*) U. S. Dept. of the Navy, 1959.

U. S. BUREAU OF YARDS AND DOCKS

The Naval establishment: Bureau of Yards and Docks (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Audio Pictures.

U. S. CHAPLAINCY SERVICE

Quiet triumph (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

U. S. CIVIL AIR PATROL

Aviation and you (*Filmstrip*) U. S. Civil Air Patrol, 1957.

Career for tomorrow (*Motion picture*) U. S. Dept. of the Air Force, 1955.

The daybreak call (*Motion picture*) U. S. Dept. of the Air Force, 1962.

Hero next door (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—CHAPLAINS

The role of the chaplain in Civil Air Patrol (*Filmstrip*) U. S. Civil Air Patrol, 1957.

U. S. COAST AND GEODETIC SURVEY

Surveyors at work (*Motion picture*) U. S. Coast and Geodetic Survey, 1957.

U. S. COAST GUARD

Alaskan patrol (*Motion picture*) U. S. Coast Guard, 1957.

Along our shores (*Motion picture*) U. S. Coast Guard, 1945.

Coast Guard cutters around the continent (*Motion picture*) U. S. Coast Guard, 1958.

Coast Guard icebreakers (*Motion picture*) U. S. Coast Guard, 1958.

On foreign shores (*Motion picture*) U. S. Coast Guard, 1945.

Sentries of the sea lanes (*Motion picture*) U. S. Coast Guard, 1954.

Serving the merchant marine (*Motion picture*) U. S. Coast Guard, 1944.

Story of the Great Lakes (*Motion picture*) U. S. Coast Guard, 1954.

The United States Coast Guard (*Motion picture*) U. S. Coast Guard, 1958.

Weather duties (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Weathermen of the sea (*Motion picture*) U. S. Coast Guard, 1950.

—OFFICERS

Coast Guard Academy (*Motion picture*) U. S. Coast Guard, 1960.

—SEARCH AND RESCUE OPERATIONS

Coast Guard in Alaska (*Motion picture*) U. S. Coast Guard, 1962.

Operation of ocean station vessels during search and rescue (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Search and rescue—AMVER system (*Motion picture*) U. S. Coast Guard, 1963.

Search and rescue boat handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Search and rescue—pleasure craft (*Motion picture*) U. S. Coast Guard, 1960.

Search patterns (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Survivor recovery and handling (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Towing a disabled plane (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Training in operation plans between the ocean station vessel and a ditching plane (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Transfer of a patient at sea (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Use of radio and visual signaling devices (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Use of special electronic and visual search aids (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

U. S. COAST GUARD. RECEIVING CENTER, CAPE MAY, N. J.

Shine the boot (*Motion picture*) U. S. Coast Guard, 1956.

U. S. COAST GUARD AUXILIARY

Coast Guard Auxiliary (*Motion picture*) U. S. Coast Guard, 1960.

U. S. CONGRESS

Your Congressman at work (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

U. S. CONSTITUTION. 1st-10th AMENDMENTS

Our American heritage (*Motion picture*) U. S. Dept. of Defense, 1949.

U. S. COOPERATIVE EXTENSION SERVICE see U. S. Federal Extension Service. Division of Cooperative Extension

U. S. DAVID W. TAYLOR MODEL BASIN, CARDEROCK, MD.

The David Taylor Model Basin, Carderock, Maryland (*Motion picture*) U. S. Dept. of the Navy, 1954.

David Taylor Model Basin story (*Motion picture*) U. S. Dept. of the Navy, 1957.

U. S. DEPT. OF AGRICULTURE

Agriculture, U. S. A. (*Motion picture*) U. S. Dept. of Agriculture, 1962.

U. S. DEPT. OF DEFENSE

Power for peace (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.

U. S. DEPT. OF STATE

Architects of peace (*Motion picture*) U. S. Dept. of Defense, 1961. Made by U. S. Dept. of the Army.

U. S. DEPT. OF THE AIR FORCE. MILITARY AIR TRANSPORT SERVICE

Aeromedical evacuation (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Anytime—anything—anyplace (*Motion picture*) U. S. Dept. of the Air Force, 1959.

Cargo critical (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by Herbert Kerkow Productions.

MATS control teams for SAC movements: Organization and preparation (*Motion picture*) U. S. Dept. of the Air Force, 1956.

MATS control teams for SAC movements: The results of planning (*Motion picture*) U. S. Dept. of the Air Force, 1956.

The MATS transport control system (*Motion picture*) U. S. Dept. of the Air Force, 1955.

Transportation of missiles (*Motion picture*) U. S. Dept. of the Air Force, 1958.

U. S. DEPT. OF THE AIR FORCE. TECHNICAL ORDER

The Air Force technical order system (*Motion picture*) U. S. Dept. of the Air Force, 1957.

U. S. DEPT. OF THE ARMY

The fourth man: The civilian behind the soldier (*Motion picture*) U. S. Dept. of the Army, 1955.

Manage your career: The U. S. Army civilian career management program (*Motion picture*) U. S. Dept. of the Army, 1960.

U. S. FEDERAL AVIATION AGENCY

Scramble two—the joint use of air defense and air traffic control facilities (*Motion picture*) U. S. Dept. of the Air Force, 1963.

U. S. FEDERAL EXTENSION SERVICE. DIVISION OF COOPERATIVE EXTENSION

Scope report (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

U. S. FLIGHT TEST SCHOOL, EDWARDS AIR FORCE BASE, CALIF.

USAF Flight Test School (*Motion picture*) U. S. Dept. of the Air Force, 1957.

U. S. FOREST PRODUCTS LABORATORY, MADISON, WIS.

A piece of wood (*Motion picture*) U. S. Dept. of Agriculture, 1957.

U. S. FOREST SERVICE

Rainbow Valley: The story of a forest ranger (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Smokejumper training: Part 1: Indoctrination (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumper training. Part 2: Ground training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumper training. Part 3: Jump training (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Smokejumpers (*Motion picture*) U. S. Dept. of Agriculture, 1949.

U. S. FOREST SERVICE. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION see U. S. Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.

U. S. HYDROGRAPHIC OFFICE

History of the U. S. Navy Hydrographic Office (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Academy Pictures.

U. S. INFANTRY SCHOOL, FORT BENNING, GA.

Follow me (*Motion picture*) U. S. Dept. of Defense, 1953.

U. S. JOINT CHIEFS OF STAFF

The mission of the Joint Chiefs of Staff (*Motion picture*) U. S. Dept. of Defense, 1959.

U. S. JUDGE-ADVOCATE-GENERAL'S DEPT. (ARMY)

The most rewarding law (*Motion picture*) U. S. Dept. of the Army, 1960.

U. S. LAKE SURVEY

Charting activities of the U. S. Lake Survey (*Motion picture*) U. S. Army Engineers, 1953.

U. S. LIBRARY OF CONGRESS

The greatest treasure (*Motion picture*) U. S. Information Agency, 1957. Made by Norwood Studios. Released for public educational use in the United States through U. S. Office of Education.

The Library of Congress (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

U. S. LITTLE ROCK AIR FORCE BASE, JACKSONVILLE, ARK.

Construction of Little Rock Air Force Base (*Motion picture*) U. S. Army Engineers, 1957.

U. S. LUKE AIR FORCE BASE, GLENDALE, ARIZ.

F–84F combat crew training, Luke Air Force Base (*Motion picture*) U. S. Dept. of the Air Force, 1958.

U. S. MARINE BAND

Presidential hit parade (*Motion picture*) U. S. Marine Corps, 1955. Made by U. S. Dept. of the Navy.

Your Marine Band from then to now (*Motion picture*) U. S. Marine Corps, 1954. Made by U. S. Dept. of the Navy.

U. S. MARINE CORPS

The amphibious marines (*Motion picture*) U. S. Marine Corps, 1952. Made by U. S. Dept. of the Navy.

Land the landing force: The history of marine amphibious operations (*Motion picture*) U. S. Dept. of the Navy, 1960.

Leatherneck ambassadors (*Motion picture*) U. S. Dept. of the Navy, 1961.

Marine reservists at summer camp (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

Mission of the United States Marine Corps (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Summer incident (*Motion picture*) U. S. Dept. of the Navy, 1959.

Teamwork (*Motion picture*) U. S. Marine Corps, 1951. Made by U. S. Dept. of the Navy.

U. S. MARINE CORPS (Continued)

Three guys called Mac (*Motion picture*) U. S. Marine Corps, 1958.

With the Marines: Chosin to Hungnam (*Motion picture*) U. S. Dept. of the Navy, 1951.

—AVIATION

The leading edge (*Motion picture*) U. S. Marine Corps, 1958.

—OFFICERS

The leading edge (*Motion picture*) U. S. Marine Corps, 1958.

The uncommon man (*Motion picture*) U. S. Marine Corps, 1958. Made by U. S. Dept. of the Navy.

—RECRUITING, ENLISTMENT, ETC.

The challenge (*Motion picture*) U. S. Marine Corps, 1957. Made by Jam Handy Organization.

—SONGS AND MUSIC

Marine hymn (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

—UNIFORMS

Armed Forces screen magazine, no. 533 (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

—VOCATIONAL GUIDANCE

Leadership in action, part 3 (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

—WARRANT OFFICERS

Backbone of the corps (*Motion picture*) U. S. Marine Corps, 1958.

—WOMEN MARINES

A bright future (*Motion picture*) U. S. Dept. of the Navy, 1960.

Share a proud tradition (*Motion picture*) U. S. Marine Corps, 1958. Made by Pathescope Co. of America.

U. S. MILITARY ACADEMY, WEST POINT

Hail, alma mater (*Motion picture*) U. S. Dept. of the Army, 1951.

The making of a West Pointer (*Motion picture*) U. S. Dept. of the Army, 1955.

Sylvanus Thayer (*Motion picture*) U. S. Army Engineers, 1959.

West Point—education for leadership (*Motion picture*) U. S. Dept. of the Army, 1963.

—ATHLETICS

I & E sportsreel, no. 222 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

U. S. MILITARY ADVISORY GROUP TO THE REPUBLIC OF KOREA

KMAG and the ROK soldier (*Motion picture*) U. S. Dept. of the Army, 1954.

U.S. MILITARY AIR TRANSPORT SERVICE see U.S. Dept. of the Air Force. Military Air Transport Service

U.S. MILITARY SEA TRANSPORTATION SERVICE

Arctic shipping: MSTS Arctic operations (*Motion picture*) U. S. Dept. of the Navy, 1958.

MSTS Arctic operations, 1956 (*Motion picture*) U. S. Dept. of the Navy, 1957.

MSTS Arctic operations 1957 (*Motion picture*) U. S. Dept. of the Navy, 1958.

The Military Sea Transportation Service: Cabin passengers (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.

The Military Sea Transportation Service, introduction (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Warner News.

The Military Sea Transportation Service: Troop transportation (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.

U. S. MILITARY TRAFFIC MANAGEMENT AGENCY

Military Traffic Management Agency (*Motion picture*) U. S. Dept. of Defense, 1959.

U. S. NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

NACA research (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

U. S. NATIONAL GALLERY OF ART

American painting in history (*Filmstrip*) U. S. National Gallery of Art, 1959.

The art of the Florentine golden age in the National Gallery of Art (*Filmstrip*) U. S. National Gallery of Art, 1956.

National Gallery of Art (*Motion picture*) National Gallery of Art, 1943. Made by U. S. Office of Strategic Services.

U. S. NATIONAL INSTITUTES OF HEALTH

The National Institutes of Health (*Motion picture*) U. S. Public Health Service, 1960.

U. S. NATIONAL REACTOR TESTING STATION, IDAHO FALLS, IDAHO

Experimental breeder reactor 1, mark 3 (*Motion picture*) U. S. Atomic Energy Commission, 1958.

The SL-1 accident, phases 1 and 2 (*Motion picture*) U. S. Atomic Energy Commission, 1962.

The SL-1 accident, phase 3 (*Motion picture*) U. S. Atomic Energy Commission, 19[illegible]

U. S. NAVAL ACADEMY, ANNAPOLIS

—ATHLETICS

I & E sportsreel, no. 222 (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

U. S. NAVAL AIR RESERVE

Malta revisited (*Motion picture*) U. S. Dept. of the Navy, 1958

U. S. NAVAL AIR STATION, LAKEHURST, N. J.

This is Lakehurst (*Motion picture*) U. S. Dept. of Defense, 1952.

U. S. NAVAL AIRCRAFT FACTORY, LEAGUE ISLAND, PA.

40th anniversary of the establishment of the Naval Aircraft Factory (*Motion picture*) U. S. Dept. of the Navy, 1957.

U. S. NAVAL CIVIL ENGINEERING RESEARCH AND EVALUATION LABORATORY, PORT HUENEME, CALIF.

U. S. Naval Civil Engineering Laboratory (*Motion picture*) U. S. Dept. of the Navy, 1959.

U. S. NAVAL ENGINEERING EXPERIMENT STATION, ANNAPOLIS, MD.

The United States Naval Engineering Experiment Station (*Motion picture*) U. S. Dept. of the Navy, 1959.

U. S. NAVAL FLYING CORPS

The story of naval aviation (*Motion picture*) U. S. Dept. of the Navy, 1954.

U. S. NAVAL OBSERVATORY

The United States Naval Observatory (*Motion picture*) U. S. Dept. of the Navy, 1955.

U. S. NAVAL ORDNANCE LABORATORY, WHITEOAK, MD.

Naval Ordnance Laboratory: The N-O-L story (*Motion picture*) U. S. Dept. of the Navy, 1951.

U. S. NAVAL PREPARATORY SCHOOL, BAINBRIDGE, MD.

The Naval Preparatory School (*Motion picture*) U. S. Dept. of the Navy, 1962.

U. S. NAVAL RESEARCH LABORATORY, BELLEVUE, D. C.

The Naval Research Laboratory reactor (*Motion picture*) U. S. Dept. of the Navy, 1959.

U. S. NAVAL RESERVE

Cold war callup: The Navy's Selected Reserve (*Motion picture*) U. S. Dept. of the Navy, 1962.

European cruise (*Motion picture*) U. S. Dept. of the Navy, 1956.

U. S. Naval Reserve: The surface reserve (*Motion picture*) U. S. Dept. of the Navy, 1950.

U. S. NAVAL RESERVE. WOMEN'S RESERVE

Dear boss (*Motion picture*) U. S. Dept. of the Navy, 1952.

Waves at work (*Motion picture*) U. S. Dept. of the Navy, 1953.

U. S. NAVAL RESERVE FLYING CORPS

U. S. Naval Reserve: Air Naval Reserve, the weekend warriors (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

U. S. NAVAL RESERVE SUBMARINE SERVICE

U. S. Naval Reserve: Submarine Naval Reserve (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Princeton Film Center.

U. S. NAVAL SCHOOL OF MUSIC, WASHINGTON, D. C.

The Naval School of Music (*Motion picture*) U. S. Dept. of the Navy, 1958.

U. S. NAVY

Command of the seas: Arctic (*Motion picture*) U. S. Dept. of the Navy, 1952.

Command of the seas: Atlantic (*Motion picture*) U. S. Dept. of the Navy, 1952.

Command of the seas: Pacific (*Motion picture*) U. S. Dept. of the Navy, 1952.

Command of the seas: United States (*Motion picture*) U. S. Dept. of the Navy, 1952.

Heart of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1956.

History of the U. S. Navy: The Civil War, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.

History of the U. S. Navy: The Civil War, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.

Mission of the United States Navy (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Mr. Push-a-button (*Motion picture*) U. S. Dept. of the Navy, 1961.

The Navy and science (*Motion picture*) U. S. Dept. of the Navy, 1951.

Navy decline, the new Navy, and the war with Spain, 1865–1898 (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

Navy news of 1956, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1957.

Navy news of 1956, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1957.

Navy screen highlights, 1957, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.

Navy screen highlights, 1957, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1958.

Navy screen highlights, 1958, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1958.

Navy screen highlights, 1958, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.

Navy screen highlights, 1959, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1959.

Navy screen highlights, 1959, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1959.

Navy screen highlights, 1959, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1960.

Navy screen highlights, 1960, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1960.

Navy screen highlights, 1960, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1960.

Navy screen highlights, 1960, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1961.

U. S. NAVY (Continued)

Navy screen highlights, 1961, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Navy screen highlights, 1961, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Navy screen highlights, 1961, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1961.

Navy screen highlights, 1961, part 4 (*Motion picture*) U. S. Dept. of the Navy, 1962.

Navy screen highlights, 1962, part 1 (*Motion picture*) U. S. Dept. of the Navy, 1962.

Navy screen highlights, 1962, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1962.

Navy screen highlights, 1962, part 3 (*Motion picture*) U. S. Dept. of the Navy, 1963.

Ready for sea (*Motion picture*) U. S. Dept. of the Navy, 1962.

The return of the zipper fleet (*Motion picture*) U. S. Dept. of Defense, 1951.

Seapower (*Motion picture*) U. S. Dept. of the Navy, 1959.

Seapower (*Motion picture*) U. S. Dept. of the Navy, 1963.

Security through seapower (*Motion picture*) U. S. Dept. of the Navy, 1958.

Summer incident (*Motion picture*) U. S. Dept. of the Navy, 1959.

Terrier, the new fleet weapon (*Motion picture*) U. S. Dept. of the Navy, 1954.

This is your Navy (*Motion picture*) U. S. Dept. of the Navy, 1951.

World wide naval operations in peace and war, 1815–1860 (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Creative Arts Studio.

—AVIATION

Armed Forces screen magazine, no. 545 (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

Beneath Navy wings (*Motion picture*) U. S. Dept. of the Navy, 1961.

Chuting stars (*Motion picture*) U. S. Dept. of the Navy, 1963.

Ground aids to air navigation: Ship to shore (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Wilding Picture Productions.

Naval aviation, personal history: The weapon is conceived (*Motion picture*) U. S. Dept. of the Navy, 1961.

Naval aviation, a personal history: The weapon is developed (*Motion picture*) U. S. Dept. of the Navy, 1962.

Naval aviation, personal history: The weapon is tested (*Motion picture*) U. S. Dept. of the Navy, 1960.

O'er the ramparts (*Motion picture*) U. S. Dept. of the Navy, 1959.

The U. S. Naval Test Pilot School (*Motion picture*) U. S. Dept. of the Navy, 1959.

—ELECTRIC INSTALLATIONS
—SAFETY MEASURES

115 volts; deadly shipmate (*Motion picture*) U. S. Dept. of the Navy, 1960.

—ELECTRONIC INSTALLATIONS

Environmental factors affecting reliability of electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1956.

Sonar detecting ranging set AN/PQS-1, operation (*Motion picture*) U. S. Dept. of the Navy, 1960.

—FORMS, BLANKS, ETC.

Principles of paperwork management: Managing your forms (*Motion picture*) U. S. Dept. of the Navy, 1960.

—HOSPITAL-SHIPS

Hospital afloat (*Motion picture*) U. S. Dept. of the Navy, 1952.

—MANAGEMENT

Introduction to environmental engineering (*Motion picture*) U. S. Dept. of the Navy, 1962.

Value engineering: More ships for less money (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films.

—MANEUVERS

Hit the beach (*Motion picture*) U. S. Dept. of the Army, 1950.

—OFFICERS

Five ladders to the bridge (*Motion picture*) U. S. Dept. of the Navy, 1962.

—ORDNANCE AND ORDNANCE STORES

Armed Forces screen magazine, no. 508 (*Motion picture*) U. S. Dept. of Defense, 1953.

Missiles of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1958.

—PAINTING OF VESSELS

Painting ships bottoms: Hot and cold plastic anti-fouling paint (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

—PERSONNEL MANAGEMENT

Naval leadership program report of general order #21 (*Motion picture*) U. S. Dept. of the Navy, 1961.

—PHYSICAL TRAINING

The bluejacket's personal hygiene (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by March of Time. Released for public educational use through U. S. Office of Education, 1948.

Physical fitness for Waves; Make-up from the neck down (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

Physical fitness program for the U. S. Navy (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1944.

Recreation and athletics in the Navy (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

—PROCUREMENT

Value engineering: More ships for less money (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films.

—PROVISIONING

Food preparation and service (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Depicto Films.

Shipboard inspection by medical department personnel: Food preparation (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Shipboard inspection by medical department personnel: Food serving (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Shipboard inspection by medical department personnel: Food storage (*Motion picture*) U. S. Dept. of the Navy 1958. Made by Atlas Film Corp.

—PUBLIC RELATIONS

Public information objectives of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1956.

—RECORDS AND CORRESPONDENCE

Principles of paperwork management (*Motion picture*) U. S. Dept. of the Navy, 1960.

Principles of paperwork management: Better correspondence practices (*Motion picture*) U. S. Dept. of the Navy, 1960.

Principles of paperwork management: Managing your forms (*Motion picture*) U. S. Dept. of the Navy, 1960.

Principles of paperwork management: Managing your reports (*Motion picture*) U. S. Dept. of the Navy, 1961.

Principles of paperwork management: Moving the mail (*Motion picture*) U. S. Dept. of the Navy, 1960.

Principles of paperwork management: Records disposal (*Motion picture*) U. S. Dept. of the Navy, 1961.

—RECRUITING, ENLISTMENT, ETC.

Naval aviation and you (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

Who's too old (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1952.

—REGULATIONS

Non-judicial punishment (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

—RELIGIOUS LIFE

The Navy goes to church: Thine is the power (*Motion picture*) U. S. Dept. of the Navy, 1950.

—RESERVE FLEETS

Reserve fleet activation, introduction (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Meridian Films Corp.

—SAFETY MEASURES

Danger: stacked deck (*Motion picture*) U. S. Dept. of the Navy, 1960.

Public works and public utilities: Fuel storage tank cleaning (*Motion picture*) U. S. Dept. of the Navy, 1960.

Safety on-the-job at sea (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.

Shipboard inspection by medical department personnel: Living and working spaces (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

—SANITARY AFFAIRS

Medical planning for a task force operation (*Motion picture*) U. S. Dept. of the Army, 1952.

Shipboard inspection by medical department personnel: Food serving (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Shipboard inspection by medical department personnel: Living and working spaces (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

Shipboard inspection by medical department personnel: Water supply (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

—SEA LIFE

Floating fortress (*Motion picture*) U. S. Dept. of the Navy, 1952.

Life in the U. S. Navy (*Motion picture*) U. S. Dept. of the Navy, 1959.

—SEARCH AND RESCUE OPERATIONS

Helicopter rescue at sea (*Motion picture*) U. S. Dept. of the Navy, 1959.

Man overboard emergency drill (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Hal Reiff Studio. Released for public educational use through U. S. Office of Education, 1948.

—SONGS AND MUSIC

Anchors aweigh (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

—SUPPLIES AND STORES

Mobile supply support (*Motion picture*) U. S. Dept. of the Navy, 1953.

The Navy supply system (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Loucks and Norling Studios.

Service to the fleet (*Motion picture*) U. S. Dept. of the Navy, 1956.

The supply manager's dilemma (*Motion picture*) U. S. Dept. of the Navy, 1960.

—UNIFORMS

Navy uniform (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Potomac Film Producers.

U. S. NAVY. AIRBORNE EARLY WARNING SQUADRON 4

Hurricane hunters (*Motion picture*) U. S. Dept. of the Navy, 1956.

U. S. NAVY. CIVIL ENGINEER CORPS

Civil engineers of the Navy (*Motion picture*) U. S. Dept. of the Navy, 1959.

Navy civil engineers (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1952.

U.S. NAVY. CONSTRUCTION BATTALIONS

Seabees can do plus (*Motion picture*) U. S. Dept. of the Navy, 1960. Made by Cascade Pictures.

Seabees in the Antarctic: Base construction and equipment operation (*Motion picture*) U. S. Dept. of the Navy, 1958.

U.S. NAVY. DENTAL CORPS

Casualty-care training (*Motion picture*) U. S. Navy Dept., 1960.

U.S. NAVY. ENGINEERING EXPERIMENT STATION, ANNAPOLIS, MD. see U.S. Naval Engineering Experiment Station, Annapolis, Md.

U.S. NAVY. SIXTH FLEET

Sea power: The Sixth Fleet, force for peace (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Reid H. Ray Film Industries.

The Sixth Fleet (*Motion picture*) U. S. Dept. of the Navy, 1953.

U.S. NAVY. SEVENTH FLEET

The Seventh Fleet (*Motion picture*) U. S. Dept. of the Navy, 1957.

U.S. NAVY. HOSPITAL CORPS

Catheterizing the male patient (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

Chain of asepsis (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

Emergency childbirth (*Motion picture*) U. S. Navy Dept., 1961.

Enemas (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

The enemy bacteria (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1948.

Intravenous administration of fluids (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

The n. p. patient (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

Oral administration of medications (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

Postoperative care (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

Preoperative care (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

Surgical dressings (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

U.S. NAVY. MEDICAL CORPS

Medical officer aboard ship (*Motion picture*) U. S. Dept. of the Navy, 1957.

U.S. NAVY. NAVAL PREPARATORY SCHOOL, BAINBRIDGE, MD. see U.S. Naval Preparatory School, Bainbridge, Md.

U.S. NAVY. NURSE CORPS

The Navy nurse (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

Nursing service in the Navy: The Chief of Nursing Service (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.

Nursing service in the Navy: The nursing service supervisor (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.

Nursing service in the Navy: The ward nurse (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.

U.S. NAVY. POTOMAC RIVER NAVAL COMMAND

Challenge in naval research (*Motion picture*) U. S. Dept. of the Navy, 1957.

Potomac River Naval Command (*Motion picture*) U. S. Dept. of the Navy, 1957.

U.S. NAVY. SUPPLY CORPS

History of the U. S. Navy Supply Corps (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Academy Productions.

Sea power: Supply, the lifeblood of sea power (*Motion picture*) U. S. Dept. of the Navy, 1960.

U.S. NAVY. TASK FORCE 43

Operation Deepfreeze I (*Motion picture*) U. S. Dept. of the Navy, 1957.

Portrait of Antarctica (*Motion picture*) U. S. Dept. of the Navy, 1961.

U.S. OFFICER CANDIDATE SCHOOL, NEWPORT, R.I.

Officer Candidate School (*Motion picture*) U. S. Dept. of the Navy, 1958.

U.S. PASSPORT OFFICE

Passport issued (*Motion picture*) U. S. Information Agency, 1957. Made by Tangent Films. Released for public educational use in the United States through U. S. Office of Education.

U.S. PROVING GROUND, ABERDEEN, MD.

Aberdeen proving ground (*Motion picture*) U. S. Dept. of the Army, 1961. Released for public educational use through U. S. Office of Education, 1962.

Report on Aberdeen Proving Ground (*Motion picture*) U. S. Dept. of Defense, 1962. Made by U. S. Dept. of the Army.

U.S. PUBLIC HEALTH SERVICE

Capital story (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Public Health Service, 1947, and U. S. Office of Education, 1949.

Radiation safety in nuclear energy explorations (*Motion picture*) U. S. Public Health Service and Atomic Energy Commission, 1962.

Service with distinction (*Motion picture*) U. S. Public Health Service, 1960.

U.S. PUBLIC HEALTH SERVICE. DIVISION OF FOREIGN QUARANTINE

Aircraft quarantine (*Motion picture*) U. S. Public Health Service, 1947.

U.S. QUARTERMASTER CORPS

New mobile bakery equipment (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

QM operation in Europe (*Motion picture*) U. S. Dept. of the Army, 1955.

Quartermaster at work (*Motion picture*) U. S. Dept. of the Army, 1952.

Quartermaster missions and career opportunities (*Motion picture*) U. S. Dept. of the Army, 1961.

U.S. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION, FORT COLLINS, COLO.

Rangeland research at Manitou (*Motion picture*) U. S. Dept. of Agriculture, 1962.

U.S. RURAL ELECTRIFICATION ADMINISTRATION

The REA story (*Motion picture*) U. S. Dept. of Agriculture, 1960.

U.S. SCHOOL OF AEROSPACE MEDICINE

Man in flight (*Motion picture*) U. S. Dept. of the Air Force, 1960.

U.S. SELECTIVE SERVICE SYSTEM

Time to go (*Motion picture*) U. S. Dept. of the Army, 1955.

U.S. SOCIAL SECURITY ADMINISTRATION

Looking ahead (*Motion picture*) U. S. Social Security Administration, 1962. Produced by U. S. Dept. of Agriculture.

U.S. SOIL CONSERVATION SERVICE

Upstream where floods begin (*Motion picture*) U. S. Dept. of Agriculture, 1954.

U.S. VANDENBERG AIR FORCE BASE, LOMPOC, CALIF.

Missile safety at Vandenberg Air Force Base (*Motion picture*) U. S. Dept. of the Air Force, 1960.

Vandenberg: aerospace Air Force base (*Motion picture*) U. S. Dept. of the Air Force, 1961.

U.S. VETERANS ADMINISTRATION

Day for decision (*Motion picture*) U. S. Veterans Administration, 1953.

Road to decision (*Motion picture*) U. S. Veterans Administration, 1947.

Road to reason (*Motion picture*) U. S. Veterans Administration, 1951.

Service to those who served (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

This is worth working for (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

U.S. VETERANS ADMINISTRATION HOSPITAL, DALLAS

Hospital zone: Men at work (*Filmstrip*) U. S. Veterans Administration, 1948.

U.S. VETERANS ADMINISTRATION HOSPITAL, MINNEAPOLIS

Rehabilitation of chronic neurological cases (*Motion picture*) U. S. Veterans Administration, 1947.

U.S. VETERANS ADMINISTRATION HOSPITAL, TUSKEGEE, ALA.

Mind in the making (*Motion picture*) U. S. Veterans Administration, 1946.

U.S. VINCENT AIR FORCE BASE, YUMA, ARIZ.

Thunderbolt geometry (*Motion picture*) U. S. Dept. of the Air Force, 1957.

U.S. WEATHER BUREAU

Hurricane circuit (*Motion picture*) U. S. Dept. of State, 1949. Made by Knickerbocker Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

U.S. WHITE SANDS PROVING GROUND, N.M.

Countdown at White Sands (*Motion picture*) U. S. Dept. of the Army, 1960.

Environmental testing at White Sands Missile Range (*Motion picture*) U. S. Dept. of the Army, 1961.

Frequency coordination at White Sands (*Motion picture*) U. S. Dept. of the Army, 1962.

Milestones in missilery (*Motion picture*) *U. S. Dept. of the* Army, 1961.

Photo-optics at White Sands (*Motion picture*) U. S. Dept. of the Army, 1961.

Prelude to IGY (*Motion picture*) U. S. Dept. of the Army, 1960.

Proving Army missiles at White Sands (*Motion picture*) U. S. Dept. of the Army, 1962.

Signals for missiles (*Motion picture*) U. S. Dept. of the Army, 1958.

They major in missiles (*Motion picture*) U. S. Dept. of the Army, 1960.

What goes up------ (*Motion picture*) U. S. Dept. of the Army, 1960.

U.S. WRIGHT AIR DEVELOPMENT CENTER

Aero medical research (*Motion picture*) U. S. Dept. of the Air Force, 1957.

UNITIZED CARGO SYSTEMS

see also Pallets (Shipping, storage, etc.)

Packaging and packing: Methods of preservation, submethods IId, rigid metal container, sealed (*Filmstrip*) U. S. Dept. of the Army, 1958.

UNIVERSAL MILITARY TRAINING see Military service, Compulsory

UNIVERSITIES AND COLLEGES

Campus on the march (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

Centers of learning (*Motion picture*) U. S. Information Agency, 1961. Made by Milner-Fenwick. Released for educational use in the United States through U. S. Office of Education, 1963.

Harvest of learning (*Motion picture*) U. S. Information Agency, 1962. Made by Calvin Productions. Released for educational use in the United States through U. S. Office of Education, 1963.

Negro colleges in wartime (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES see California. University. University at Los Angeles

UNLOADING see Loading and unloading

URANIUM

see also Nuclear fuels

Adventures in metallurgy (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by General Electric Co.

Gaseous diffusion (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by U. S. Dept. of the Air Force.

Microdeformation of uranium (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.

Novel methods of fuel fabrication (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by General Electric Co.

The Portsmouth story (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

Production of uranium feed materials (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Continental Productions Corp.

URANIUM ORES

The petrified river: The story of uranium (*Motion picture*) U. S. Bureau of Mines, 1956.

URBAN LIFE see City and town life

UREDINEAE see Rusts (Fungi)

URINALYSIS see Urine—Analysis and pathology

URINARY ORGANS

see also Bladder; Genito-urinary organs

Anatomy and physiology: The urinary system (*Filmstrip*) U. S. Dept. of the Army, 1956.

Catheterization technique (*Motion picture*) U. S. Dept. of the Army, 1961.

URINE

—ANALYSIS AND PATHOLOGY

Bence-Jones protein test (*Motion picture*) U. S. Veterans Administration, 1957.

—SECRETION

Uretero-ileo-urethral anastomosis—a bladder substitute (*Motion picture*) U. S. Veterans Administration, 1959.

UTERUS

—CANCER

Uterine cancer: The problem of early diagnosis (*Motion picture*) National Cancer Institute of the U. S. Public Health Service and American Cancer Society, 1951. Made by Audio Productions.

—EXCISION see Hysterectomy

—SURGERY

Shirodkar operation (*Motion picture*) U. S. Dept. of the Army, 1961.

V

V-2 ROCKET

V-2 rocket: Assembling and launching (*Motion picture*) U. S. Dept. of Defense, 1948.

VACCINATION

see also Immunity

Defense against invasion (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Defesa contra invasão (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Smallpox vaccination (*Filmstrip*) U. S. Dept. of the Army, 1947.

Vaccinate against smallpox (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

La vacuna; o, Defensa contra la invasión (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Variola (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

La viruela (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

VACUUM-TUBE OSCILLATORS see Oscillators, Vacuum-tube

VACUUM-TUBES

see also Amplifiers, Vacuum-tube; Cathode ray tubes; Diodes; Electric discharges through gases; Electronics; Geiger-Muller counters; Klystrons; Magnetrons; Oscillators, Vacuum-tube; Traveling-wave tubes; Triodes; X-rays

Basic electronics (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

Special purpose vacuum tubes (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

The triode: Amplification (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

The triode: Amplification (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Vacuum tubes (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

Vacuum tubes: Electron theory and the diode tube (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

—TESTING

Tube tester operation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

VALUATION OF LAND see Farms—Valuation

VALVE-GEARS see Steam-engines—Valve-gears

VALVES

Air start check valve, cylinder relief valve, and indicator cock (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

Benchwork, part 2 (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

Cylinder and piston assemblies (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

Directional valves (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Inspecting and reconditioning valve assembly (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

Inspecting and reconditioning valve assembly (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

Installation of cylinder head (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

Installing valves and strainer on sea chest (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Installing valves and strainer on sea chest (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

Installing valves in engine room systems, part 1 (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing valves in engine room systems, part 1 (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing valves in engine room systems, part 2 (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Installing valves in engine room systems, part 2 (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

Introduction to valves (*Filmstrip*) U. S. Navy Dept., 1944. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Methods of operating valves (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational purposes through U. S. Civil Aeronautics Administration, 1946.

Simple valves (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

VANDENBERG AIR FORCE BASE, LOMPOC, CALIF. see U.S. Vandenberg Air Force Base, Lompoc, Calif.

VANGUARD PROJECT see Project Vanguard

VARICOCELE

Operation for varicocele (*Motion picture*) U. S. Dept. of the Army, 1947.

VARIETY SAWS

Beveling, mitering, rabbeting, and dadoing (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Beveling, mitering, rabbeting, and dadoing (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Biseau, onglet, feuillure, et entaille (*Motion picture*) U. S. Office of Education, 1951.

Cortes en madera con la sierra mecanica (*Motion picture*) U. S. Office of Education ,1950?,

Coupe de tenons et de segments (*Motion picture*) U. S. Office of Education, 1951.

Cutting cove molding and a corebox (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Cutting cove molding and a corebox (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Cutting tenons and segments (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Cutting tenons and segments (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

VARIETY SAWS (Continued)

Ripping and cross-cutting (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Ripping and cross-cutting (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

Sciage d'une gorge et d'une boite à noyaux (*Motion picture*) U. S. Office of Education, 1951.

Sciage sur le long et sciage sur le travers (*Motion picture*) U. S. Office of Education, 1951.

VARIOLA see Smallpox

VASCULAR DISEASES see Peripheral vascular diseases

VASCULAR SYSTEM see Blood-vessels

VECTOR ANALYSIS

The E-6B computer: Solution of wind triangles (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

An introduction to vectors: Coplanar concurrent forces (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

An introduction to vectors: Coplanar concurrent forces (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

Vectors (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

VEGETABLE GARDENING

see also Gardening; Vegetables

A backyard vegetable garden (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

Better eating (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

La hortaliza en casa (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.

Hortas (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.

Nutriculture: Vegetable growing (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Planning the home vegetable garden (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

Special techniques for the home gardener (*Filmstrip* U. S. Dept. of Agriculture, 1952.

Summer care and harvesting in the home garden (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

VEGETABLE MOLD see Soils

VEGETABLE OILS see Oils and fats

VEGETABLES

see also Cookery (Vegetables)

—DISEASES AND PESTS

Insect pests of garden vegetables and their control (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

—PRESERVATION

Maintaining garden freshness in fruits and vegetables (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

VEGETABLES, FROZEN

Freezing broccoli and corn-on-the-cob (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

VEHICLES, MILITARY

see also Automobiles, Military; Motor vehicles, Amphibious; Tanks (Military science)

Automotive electricity for military vehicles. Part 3: Principles of the starting motor (*Motion picture*) U. S. Dept. of the Army, 1957.

Maintenance and management of USAF vehicles (*Motion picture*) U. S. Dept. of the Air Force, 1959.

VEINS

see also Arteries; Blood—Circulation; Blood-vessels; Splenic vein

—PUNCTURE

Serological technique: Venipuncture (*Motion picture*) U. S. Dept. of the Navy, 1954.

VENEREAL DISEASES

see also Gonorrhea

—DIAGNOSIS

VDRL slide qualitative test with serum (*Motion picture*) U. S. Dept. of the Navy, 1957.

VENOM

see also Poisons

—PHYSIOLOGICAL EFFECT

Snake bite kit, suction, in plastic carrying case (*Filmstrip*) U. S. Dept. of the Army, 1954.

VERA CRUZ, MEXICO (STATE)

Treasure trove of jade (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

Vera Cruz (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.

VERMIN see Household pests

VERTEBRAL COLUMN see Spine

VERTICALLY RISING AEROPLANES

see also Convertiplanes

Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight, including studies of various tethered landing techniques (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings, and hovering flight (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

Dynamic stability and control characteristics of a ducted-fan model in hovering flight (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or +-tails (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

Hovering-flight tests of a model of a transport vertical-take-off airplane with tilting wing and propellers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

Transition-flight investigation of a four-engine-transport vertical-take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

VETCH

Strip cropping for wind erosion control and vetch in corn for soil improvement (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

VETERANS

see also Soldiers—Civil status

Planning for the patient's discharge (*Motion picture*) U. S. Veterans Administration, 1956.

Service to those who served (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

—EMPLOYMENT

Is farming for me? (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

The veteran becomes a farmer (*Motion picture*) U. S. Office of Education, 1948. Produced by W. A. Palmer & Co.

VETERANS, DISABLED

—REHABILITATION

Assignment home (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Universal Pictures Co. Released for public educational use through U. S. Office of Education, 1948.

Day for decision (*Motion picture*) U. S. Veterans Administration, 1953.

Living with limitations (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.

Multiple wounds, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Rehabilitation of chronic neurological cases (*Motion picture*) U. S. Veterans Administration, 1947.

Rehabilitation: Voyage to recovery (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Roland Reed Productions. Released for public educational use through U. S. Office of Education, 1948.

To hear again (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

What's my score? (*Motion picture*) U. S. Veterans Administration, 1947. Made by U. S. Dept. of Agriculture.

With hand and heart (*Motion picture*) U. S. Information Agency, 1960. Made in Korea. Released for public educational use in the United States through U. S. Office of Education, 1961.

You can hear again (*Motion picture*) U. S. Veterans Administration, 1949.

—VOCATIONAL REHABILITATION

Road to decision (*Motion picture*) U. S. Veterans Administration, 1947.

VETERANS DAY

I & E screen magazine, no. 575 (*Motion picture*) U. S. Dept. of Defense, 1959.

VETERANS' HOSPITALS see Hospitals, Military

VETERINARIANS

The Federal veterinarian in agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.

VETERINARY MEDICINE

see also Communicable diseases in animals; Hog cholera; Quarantine, Veterinary

Brazilian trainees visit land grant colleges (*Motion picture*) U. S. Dept. of Agriculture, 1954.

The Federal veterinarian in agriculture (*Motion picture*) U. S. Dept. of Agriculture, 1960.

—RESEARCH

Plum Island Animal Disease Laboratory (*Motion picture*) U. S. Dept. of Agriculture, 1958.

VETERINARY PHYSIOLOGY

General adaptation syndrome (*Motion picture*) U. S. Dept. of the Army, 1951.

VETERINARY QUARANTINE see Quarantine, Veterinary

VIBRATION

see also Waves

Ground vibration tests of the XH-17 dynamic helicopter model (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

Helicopter: Vibrations and resonance. Part 1: Vibrations in the H-13 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Vibrations and resonance. Part 2: Vibrations in the H-19 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Vibrations and resonance. Part 3: Vibrations in the H-21 (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Helicopter: Vibrations and resonance. Part 4: Ground resonance (*Motion picture*) U. S. Dept. of the Air Force, 1957.

Vibration problems in the design of shipboard electronic equipment (*Motion picture*) U. S. Dept. of the Navy, 1956.

VIBRATION (MARINE ENGINEERING)

Shipboard vibrations. Part 1: Fundamental principles of vibrating systems (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

Shipboard vibrations. Part 2: Multi-mass systems (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

Shipboard vibrations. Part 3: Vibration, excitation, and response (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

Shipboard vibrations. Part 4: Service problems and field investigation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

VINCENT AIR FORCE BASE see U. S. Vincent Air Force Base, Yuma, Ariz.

VIRGINIA. MILITARY INSTITUTE, LEXINGTON

Marshall day at VMI, 1951 (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

VIRUS RESEARCH

Embryonated egg techniques for virus studies (*Filmstrip*) U. S. Public Health Service, 1955.

VIRUSES

Chick embryo techniques (*Motion picture*) U. S. Public Health Services, 1951.

Collecting specimens for virus diagnosis (*Filmstrip*) U. S. Public Health Service, 1956.

VISAS see Passports

VISIBLE SPEECH see Deaf—Means of communication

VISION

see also Color-sense; Eye; Night vision

Night vision for airmen (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

VISITS OF STATE

Invitation to India (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

Invitation to Pakistan (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

Jacqueline Kennedy's Asian journey (*Motion picture*) U. S. Information Agency, 1962. Made by Hearst Metrotone News. Released for public educational use through U. S. Office of Education, 1963.

Peace and friendship in freedom: President Eisenhower's 11-nation tour (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.

President Eisenhower's visit to South America (*Motion picture*) U. S. Information Agency, 1960. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.

VISUAL EDUCATION

see also Moving-pictures in industry

Effective use of visuals in agriculture (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

Learning about farm jobs from pictures (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

Training aids: Classroom utilization (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

Training aids: Selection and planning (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

Training aids: Slides, large drawings, and transparencies (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

Using visual aids in training (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

VITAMINS

Let's have more vitamin A and C foods in school lunches (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

VOCABULARY

Practical English usage I, lecture 16: Dressing up sentences; vocabulary (*Motion picture*) U. S. Dept. of Defense, 1956.

VOCATIONAL EDUCATION

see also Blind—Education; Deaf—Education; Employees, Training of

Junior college for technical trades (*Motion picture*) U. S. Dept. of State, 1950. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

Trade training in the Navy (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

VOCATIONAL GUIDANCE

see also Agriculture as a profession; Counseling; U. S. Marine Corps—Vocational guidance

Manage your career: The U. S. Army civilian career management program (*Motion picture*) U. S. Dept. of the Army, 1960.

Prepare thru education (*Motion picture*) U. S. Dept. of the Army, 1955.

VOCATIONAL REHABILITATION

see also Blind—Employment; Veterans, Disabled—Vocational rehabilitation

America's untapped asset (*Motion picture*) U. S. President's Committee on Employment of the Physically Handicapped, 1953.

Employees only (*Motion picture*) President's Committee on Employment of the Physically Handicapped, 1958. Made by La Brea Productions.

Employing disabled workers in industry (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

Establishing working relations for the disabled worker (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

Instructing the disabled worker on the job (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

An investment in human welfare (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Unifilms.

VOICE OF AMERICA (RADIO PROGRAM)

Coast Guard cutter Courier (*Motion picture*) U. S. Coast Guard, 1961.

VOLTAIC CELL see Electric batteries

VOLTMETER

Volt ohmmeter operation (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

VOLUMETRIC APPARATUS

Chemical techniques: Volumetric flasks (*Motion picture*) U. S. Dept. of the Navy 1955.

VOLUNTEER WORKERS IN HOSPITALS

The gift you bring (*Motion picture*) U. S. Veterans Administration, 1959.

VOTING, ABSENT

Ballots that fly (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

W

W H O see World Health Organization

WAGONS, ARMY see Vehicles, Military

WAITERS

Serving food (*Motion picture*) U. S. Public Health Service, 1954.

WAKEFIELD (TRANSPORT SHIP)

Story of a transport (*Motion picture*) U. S. Coast Guard, 1945.

WAKEFULNESS see Insomnia

WALTER REED ARMY MEDICAL CENTER see U. S. Army. Walter Reed Army Medical Center

WALTER REED HOSPITAL, WASHINGTON, D. C. see U. S. Army. Walter Reed Army Hospital, Washington, D. C.

WAR

see also Chemical warfare; Military art and science; Military law; Munitions; Naval art and science; Peace; Psychological warfare; Soldiers; Strategy; Submarine warfare; Tactics

—RELIEF OF SICK AND WOUNDED

see also Hospitals, Military; Medicine, Military; Medicine, Naval

Evacuation of casualties (*Motion picture*) U. S. Dept. of the Army, 1952.

Evacuation of the wounded (*Motion picture*) U. S. War Dept., 1944.

Transportation of casualties (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

WAR, PRISONERS OF see Prisoners of war

WAR CONTRACTS see Defense contracts

WAR CRIME TRIALS

—NUREMBERG, 1945-1946 see Nuremberg Trial of Major German War Criminals, 1945-1946

WAR DAMAGE, INDUSTRIAL

see also Factories—Protection

It's your decision (*Motion picture*) U. S. Dept. of the Air Force, 1956.

WAR GAMES

Operation Portrex (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

WAR OF 1812 see U.S.—History—War of 1812

WAR OF NERVES see Psychological warfare

WAR OF SECESSION (U.S.) see U.S. —History—Civil War

WARBLE-FLIES

Cattle grubs or heel flies (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

WAREHOUSES

see also Pallets (Shipping, storage, etc.)

Prevention of pilferage. Part 1: Depots and warehouses (*Motion picture*) U. S. Dept. of the Army, 1952.

Warehousing series. Part 1: Storage procedures (*Motion picture*) U. S. Dept. of the Army, 1958.

Warehousing series. Part 2: Aisle arrangement (*Motion picture*) U. S. Dept. of the Army, 1958.

WARFARE, SUBMARINE see Submarine warfare

WARSHIPS

—DAMAGE CONTROL see Damage control (Warships)

WART-HOG DISEASE see African swine fever

WASHING see Laundry

WASHINGTON, GEORGE, PRES. U.S., 1732-1799

George Washington, the farmer (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission, 1932.

On the trail of George Washington (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission and U. S. National Park Service, 1932.

WASHINGTON (STATE)

Northwest U. S. A. (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

Washington and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1952.

WASHINGTON, D. C.

Headquarters U. S. A. (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

—DEFENSES

Army's Nike guards Nation's Capital (*Motion picture*) U. S. Dept. of Defense, 1955.

Nike for the defense of your community (*Motion picture*) U. S. Dept. of the Army, 1956.

WASHINGTON, D. C. BOLLING AIR FORCE BASE see U. S. Bolling Air Force Base, Washington, D. C.

WASHINGTON, D. C. ISLAMIC CENTER

The Washington mosque (*Motion picture*) U. S. Information Agency, 1957. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.

WASTE, DISPOSAL OF see Refuse and refuse disposal; Sewage disposal

WASTE RECLAMATION see Salvage (Waste, etc.)

WATAUGA COUNTY, N. C.

The Watauga story (*Motion picture*) U. S. Dept. of Agriculture, 1962.

WATCHMEN

Civilian guard services (*Motion picture*) U. S. Dept. of the Army, 1959.

WATER

see also Drinking water; Erosion; Feed-water; Floods; Fog; Hydraulic engineering; Hydrotherapy; Ice; Ocean; Rain and rainfall; Sea-water; Steam; Waves; Wells

Water (*Motion picture*) U. S. Dept. of Agriculture, 1948.

—ANALYSIS

The membrane filter (*Filmstrip*) U. S. Public Health Service, 1959.

Sampling and testing drinking water (*Filmstrip*) U. S. Public Health Service, 1950.

—FLOW see Hydraulics

—POLLUTION

see also Refuse and refuse disposal; Sewage disposal

Agua, amiga o enemiga (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

A água: nosso amigo ou inimigo (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

George Washington's river (*Motion picture*) U. S. Public Health Service, 1959.

Water, friend or enemy (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

—PURIFICATION

see also Filters and filtration; Hypochlorinators; Water-supply engineering

Agua, amiga o enemiga (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

A água: nosso amigo ou inimigo (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Filtration plants (*Filmstrip*) U. S. Public Health Service, 1953.

A large water treatment plant (*Filmstrip*) U. S. Public Health Service, 1954.

Purification of water (*Motion picture*) U. S. Dept. of the Army, 1955.

Water, friend or enemy (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

Water purification: Diatomite filter system, installation, operation, and maintenance (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

Water purification, introduction (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

Water purification, part 2: Chlorine demand, arsenic, and nitrogen mustard tests (*Motion picture*) U. S. Dept. of the Army, 1961.

Water purification: Vapor compression distillation (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

—THERAPEUTIC USE see Hydrotherapy

WATER-BIRDS

Behind the flyways (*Motion picture*) U. S. Fish and Wildlife Service, 1951.

WATER CONSERVATION

Corralling the Colorado (*Motion picture*) U. S. Bureau of Reclamation, 1951.

Grass: The big story (*Motion picture*) U. S. Dept. of Agriculture, 1953.

Harvesting native grass seed (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Raindrops and soil erosion (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Soil and water conservation by the beaver (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

WATER-CURE see Hydrotherapy

WATER-FLIES see Flies

WATER-MODERATED WATER COOLED REACTORS see Swimming pool reactors

WATER-PIPES

see also Electrolytic corrosion

Big pipe maneuver (*Motion picture*) U. S. Army Engineers, 1951.

WATER RESOURCES DEVELOPMENT

see also Flood control; Irrigation

The barrier between (*Motion picture*) U. S. Bureau of Reclamation, 1959.

Great river (*Motion picture*) U. S. Bureau of Reclamation, 1963.

Key to the future (*Motion picture*) U. S. Bureau of Reclamation, 1960.

Magnetic waters (*Motion picture*) U. S. Army Engineers, 1957.

WATER SPORTS see Aquatic sports

WATER-STORAGE

see also Reservoirs

Beltsville newsreel, no. 16 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

WATER-SUPPLY

see also Filters and filtration; Forest influences; Forests and forestry; Reservoirs; Wells

The dug well: Sanitary aspects (*Filmstrip*) U. S. Public Health Service, 1954.

Lifeblood of the land (*Motion picture*) U. S. Dept. of Agriculture, 1947.

Mountain water (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Snow harvest (*Motion picture*) U. S. Dept. of Agriculture, 1946.

Water (*Motion picture*) U. S. Office of Civil Defense. Made by U. S. Army Signal Corps. Released by American National Red Cross, 1962.

Water for farm and city (*Motion picture*) U. S. Dept. of Agriculture, 1959.

Water for Fort Hood (*Motion picture*) U. S. Army Engineers, 1956.

Water for the West (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Waters of Coweeta (*Motion picture*) U. S. Dept. of Agriculture, 1953.

WATER-SUPPLY ENGINEERING

see also Hydraulic engineering

Big pipe maneuver (*Motion picture*) U. S. Army Engineers, 1951.

Farm water systems (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

WATER TANKS see Tanks

WATER TRANSPORTATION see Shipping

WATER TRANSPORTATION, COASTAL see Coastwise shipping

WATER-TUBE BOILERS see Steam-boilers, Water-tube

WATERPROOFING

see also Corrosion and anti-corrosives

Packaging and packing: Methods of preservation (includes IA methods) (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, method IC, waterproof barrier (with preservative as required) (*Filmstrip*) U. S. Dept. of the Army, 1958.

Packaging and packing: Methods of preservation, submethod IA-2, container, overwrap, dipcoat sealed (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, submethod IIb, container, barrier, container (*Filmstrip*) U. S. Dept. of the Army, 1959.

Packaging and packing: Methods of preservation, submethod IIc, cushioned item, bag (*Filmstrip*) U. S. Dept. of the Army, 1960.

WATERSHEDS

see also Colorado River watershed; Columbia River watershed

From the ridge to the river (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Is your watershed safe? (*Motion picture*) U. S. Dept. of Agriculture, 1956.

WATERWORKS see Water-supply

WAVES

see also Electric waves; Turbulence

Problem at Port Washington (*Motion picture*) U. S. Army Engineers, 1951.

WEAPONS see Arms and armor; Firearms

WEAPONS, ATOMIC see Atomic weapons

WEATHER

see also Meteorology; Rain and rainfall; Snow; Storms; Winds

Weather map symbols (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

WEATHER FORECASTING

see also Meteorology in aeronautics

Clouds (*Motion picture*) U. S. Weather Bureau, 1939.

Clouds and weather (*Motion picture*) U. S. Weather Bureau, 1953.

Eyes of the storm (*Motion picture*) U. S. Dept. of the Air Force, 1949.

Flood weather (*Motion picture*) U. S. Weather Bureau, 1937.

Weather duties (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

Weather: Friend or foe (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.

Weathermen of the sea (*Motion picture*) U. S. Coast Guard, 1960.

WEED CONTROL

Weed control on irrigation systems (*Motion picture*) U. S. Bureau of Reclamation, 1958.

WEIGHTS AND MEASURES

see also Volumetric apparatus

Assignment: Weights and measures (*Motion picture*) National Conference on Weights and Measures in cooperation with the U. S. National Bureau of Standards, 1957. Released by U. S. National Bureau of Standards.

A true standards (*Motion picture*) U. S. National Bureau of Standards, 1954.

WELDING

see also Electric welding; Oxyacetylene welding and cutting; Solder and soldering

Forge welding (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

Forge welding (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

Simple foundation. Part 3: Assembly and installation (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Vertical welds, steel (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

Welding aluminum tubes with sheets (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

WELFARE FEDERATIONS see Federations, Financial (Social service)

WELL-BORING see Boring

WELLS

see also Water-supply

The drilled well: Sanitary aspects (*Filmstrip*) U. S. Public Health Service, 1954.

The dug well: Sanitary aspects (*Filmstrip*) U. S. Public Health Service, 1954.

Operating a mobile well boring rig (*Motion picture*) U. S. Public Health Service, 1953.

WEST POINT, N. Y. MILITARY ACADEMY see U. S. Military Academy, West Point

WEST VIRGINIA

West Virginia and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

WESTCHESTER COUNTY, N.Y.

County government (*Motion picture*) U. S. Dept. of State, 1949. Made by Pictorial Research. Released for educational use in the United States through U. S. Office of Education, 1950.

WESTERN LANGUAGES see Languages, Modern

WESTON, EDWARD, 1886-

The photographer (*Motion picture*) U. S. Dept. of State, 1948. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office

WHEAT

Wheat kernel classes and varieties (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

WHITE ANTS see Termites

WHITE DIARRHEA see Pullorum disease

WHITE PINE

Eastern white pine (*Motion picture*) U. S. Dept. of Agriculture, 1960.

—DISEASES AND PESTS

Eastern white pine (*Motion picture*) U. S. Dept. of Agriculture, 1960.

WHITE SANDS PROVING GROUND, N. M. see U. S. White Sands Proving Ground, N. M.

WHITNEY DAM (Projected)

A silent servant, Whitney Dam (*Motion picture*) U. S. Army Engineers, 1956.

WHOOPING CRANES

The whooping crane (*Motion picture*) U. S. Fish and Wildlife Service, 1958.

WILD LIFE, CONSERVATION OF

see also Birds, Protection of; Forests and forestry; Game protection; National parks and reserves; Natural resources

A heritage we guard (*Motion picture*) U. S. Dept. of Agriculture, 1940.

Realm of the wild (*Motion picture*) U. S. Dept. of Agriculture, 1945.

Soil conservation benefits wildlife (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

We share this land (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Wildlife and soil conservation (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Wildlife and the human touch (*Motion picture*) U. S. Dept. of Agriculture, 1952.

Wildlife and timber (*Motion picture*) U. S. Dept. of Agriculture, 1957.

Wildlife management through soil conservation in the northeast (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

The woodcock (*Motion picture*) U. S. Fish and Wildlife Service, 1958.

WILDERNESS AREAS

Wilderness trail (*Motion picture*) U. S. Dept. of Agriculture, 1961.

WILLAMETTE RIVER

The Columbia: River of planned destiny (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.

WIND EROSION

Developing pastures establishing alfalfa under wind erosion hazard (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Economic problems (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Planting grasses (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Range grazing practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Stubble mulch farming (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Tillage practices (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Preventing wind erosion on the Great Plains: Tree windbreaks (*Motion picture*) U. S. Dept. of Agriculture, 1955.

Strip cropping for wind erosion control and vetch in corn for soil improvement (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Wind erosion control through tillage and ridge planting (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Wind erosion control under irrigation (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

Winter cover crops and crop residues for wind erosion control (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

WIND TUNNELS

see also Aerodynamics

Aerodynamics: Forces acting on an air foil (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

Investigations of dynamic stability and controllability in the Langley free-flight tunnel (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

The NACA free-spinning wind tunnel (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1936.

Wind-tunnel investigation at low speeds of flight characteristics of a sweptback-wing jet-transport airplane model equipped with an external-flow jet-augmented slotted flap (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

WINDLASSES

Winches and booms (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

WINDPIPE see Trachea

WINDS

see also Hurricanes; Jet stream; Storms; Tornadoes

Wind and the navigator: Pre-flight planning (*Motion picture*) U. S. Dept. of the Air Force, 1957.

WINDS (Continued)

Wind and the navigator: Wind theory (*Motion picture*) U. S. Dept. of the Air Force, 1967.

WINGS (AEROPLANES) see Aeroplanes—Wings

WINTER SPORTS

see also Skis and skiing; Snowshoes and snowshoeing

Armed Forces screen magazine, no. 580 (*Motion picture*) U. S. Dept. of Defense, 1958.

WINTER WARFARE

see also Transportation, Military —Cold weather conditions

Arctic indoctrination school, winter 1950 (*Motion picture*) U. S. Dept. of the Army, 1950.

Combat in deep snow and extreme cold (*Motion picture*) U. S. Dept. of the Army, 1950.

Exercise Yukon (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

Greenland 1967 (*Motion picture*) U. S. Army Engineers, 1967.

WINTERTHUR, DEL. HENRY FRANCIS DU PONT WINTERTHUR MUSEUM see Henry Francis du Pont Winterthur Museum

WIRE ROPE

see also Cables

Safe practices in the hoisting of material (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

Use and care of wire rope (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

Wire rope terminal connections (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

WIRE-ROPE TRANSPORTATION

Aerial tramway (*Motion picture*) U. S. Dept. of the Army, 1951.

WIRING, ELECTRIC see Electric wiring

WISCONSIN (BATTLESHIP)

Armed Forces screen magazine, no. 582 (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

WITCHWEED

Watch out for witchweed (*Motion picture*) U. S. Dept. of Agriculture, 1963.

WITNESSES

see also Evidence (Law)

Suspects and witnesses. Part 1: Basic interviews (*Motion picture*) U. S. Dept. of the Army, 1967.

Suspects and witnesses. Part 2: Complainants and hostile witnesses (*Motion picture*) U. S. Dept. of the Army, 1967.

WOMAN

—EMPLOYMENT

Supervising women workers (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

—HEALTH AND HYGIENE

see also Physical education for women

Strictly personal (*Motion picture*) U. S. War Dept., 1945.

—SOCIETIES AND CLUBS

Rural women (*Motion picture*) U. S. Dept. of State, 1951 Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education, 1954.

WOMB see Uterus

WOMEN AS FARMERS see Women in agriculture

WOMEN AS SOLDIERS

No greater heritage (*Motion picture*) U. S. Dept. of the Army, 1961.

WOMEN IN AGRICULTURE

Rural women (*Motion picture*) U. S. Dept. of State, 1951 Made by International Film Foundation. Released fo public educational use in the United States through U. S Office of Education, 1954.

WOMEN IN INDUSTRY see Woman—Employment

WOMEN IN JAPAN

Best with the years (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

WOMEN IN THE ARMED FORCES see U. S.—Armed Forces—Women

WOMEN IN THE U.S.

The price of liberty (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

WOMEN MARINES see U. S. Marine Corps —Women marines

WOMEN'S ARMY CORPS see U. S. Army. Women's Army Corps

WOMEN'S CLUBS see Woman—Societies and clubs

WOOD

see also Plywood; Timber

—PRESERVATION

Longer life for wood: The role of preservatives in protecting wood (*Motion picture*) U. S. Dept. of Agriculture, 1954.

Wood preservation: Control of marine organisms (*Motion picture*) U. S. Dept. of the Navy, 1959.

Wood preservation: Control of wood destroying organisms (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.

Wood preservation: Effects of marine organisms (*Motion picture*) U. S. Dept. of the Navy, 1959.

Wood preservation: Inspection for wood destroying organisms (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.

WOOD-LOTS

The farm and the farm woods (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

Farm forestry extension in the United States (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

Farm forestry in the South (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

Timber growing today (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Southern Educational Film Production Service.

WOODCOCK

The woodcock (*Motion picture*) U. S. Fish and Wildlife Service, 1953.

WOODWORK

see also Joinery; Plywood

Building a box beam spar (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Building a box beam spar (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Building a wooden rib (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

Building a wooden rib (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Laying out and forming plywood (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Laying out and forming plywood (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Repairing a wooden rib (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Repairing a wooden rib (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Splicing a wooden spar (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Splicing a wooden spar (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

Wing assembly: The bow tip (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The bow tip (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The inboard panel (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The inboard panel (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The nose section (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

Wing assembly: The nose section (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

WOODWORKING MACHINERY

see also Sawmills

Carbide woodworking tools: Care and grinding (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures.

Carbide woodworking tools: How to use (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures, inc.

WOOL

Beltsville newsreel, no. 12 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

Beltsville newsreel, no. 16 (*Motion picture*) U. S. Dept. of Agriculture, 1958.

WOOL TRADE AND INDUSTRY

Cooperative wool: From fleece to fabric (*Motion picture*) U. S. Dept. of Agriculture, 1941.

Livestock market news in action (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

WORK, METHOD OF

Finding minutes (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New Jersey Extension Service, 1943.

Measuring home management (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with Michigan State College, 1950.

Planning and laying out work (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

Save work in doing dairy chores (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

Step by step in everyday tasks (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Washington State Extension Service, 1944.

Work simplification in the shop (*Motion picture*) U. S. Dept. of the Army, 1954.

WORK EXPERIENCE see Vocational education

WORKERS see Labor and laboring classes

WORKING-WOMEN see Woman—Employment

WORKSHOPS (GROUP DISCUSSION) see Forums (Discussion and debate)

WORLD HEALTH ORGANIZATION

The ancient curse (*Motion picture*) U. S. Dept. of State, 1952. Made by Educational Film Corp. of America. Released for educational use in the United States through U. S. Office of Education, 1952.

WORLD POLITICS

see also Geopolitics

American history II, lecture 13: International anarchy and America's entry into World War II (*Motion picture*) U. S. Dept. of Defense, 1956.

Evaluating a nation (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

The road to the wall (*Motion picture*) U. S. Dept. of Defense, 1962. Made by Columbia Broadcasting System.

Summer incident (*Motion picture*) U. S. Dept. of the Navy, 1958.

WORLD WAR, 1914-1918 see European War, 1914-1918

WORLD WAR, 1939-1945

The Air Force story: The Air Force and the atom bomb (*Motion picture*) U. S. Dept. of the Air Force, 1960.

American history II, lecture 14: World War II and after (*Motion picture*) U. S. Dept. of Defense, 1956.

The big picture: Battlefields of Europe (*Motion picture*) U. S. Dept. of the Army, 1958.

Combat bulletin, no. 1 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 4 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 17 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 19 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 24 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 25 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 27 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 28 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 30 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 31 (*Motion picture*) U. S. Dept. of Defense, 1944.

Combat bulletin, no. 33 (*Motion picture*) U. S. Dept. of Defense, 1945.

Combat bulletin, no. 35 (*Motion picture*) U. S. Dept. of Defense, 1945.

Combat bulletin, no. 40 (*Motion picture*) U. S. Dept. of Defense, 1945.

Combat bulletin, no. 42 (*Motion picture*) U. S. Dept. of Defense, 1945.

Combat bulletin, no. 43 (*Motion picture*) U. S. Dept. of Defense, 1945.

Combat bulletin, no. 45 (*Motion picture*) U. S. Dept. of Defense, 1945.

—AERIAL OPERATIONS, AMERICAN

AAF comes of age (*Motion picture*) U. S. Army Air Forces, 1946.

The Air Force story: Air war against Japan, 1944–1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: D-day, June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Expanding air power, June 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Global operations, 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Maximum effort, October 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: North Africa, November 1942–May 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Ploesti, March–August 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Prelude to invasion, January–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Retreat and advance, June 1944–March 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Road to Rome, September 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Schweinfurt and Regensburg, August 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Superfort, August 1943–June 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The AAF fights back, April–July 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The drawing of the battle lines, December 1941 to April 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: The tide turns, June–December 1942 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Two years of war, September–December 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Air Force story: Victory in Europe, June 1944–May 1945 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

Air pattern Pacific (*Motion picture*) U. S. Army Air Forces, 1945.

Air siege (*Motion picture*) U. S. Dept. of the Air Force, 1947.

China crisis (*Motion picture*) U. S. Army Air Forces, 1946.

Combat America (*Motion picture*) U. S. Army Air Forces, 1945.

The last bomb (*Motion picture*) U. S. Dept. of the Air Force, 1947.

Memphis Belle (*Motion picture*) U. S. Army Air Forces, 1944.

Mission accomplished (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

Perishable rush (*Motion picture*) U. S. Army Air Forces, 1945.

Target for today (*Motion picture*) U. S. Army Air Forces, 1944.

Target Tokyo (*Motion picture*) U. S. Dept. of the Air Force, 1948.

—AMPHIBIOUS OPERATIONS

Combat bulletin, no. 6 (*Motion picture*) U. S. Dept. of Defense, 1944.

D-day convoy (*Motion picture*) U. S. Dept. of the Army, 1948.

Normandy invasion (*Motion picture*) U. S. Coast Guard, 1944.

—ATROCITIES

see also Nuremberg Trial of Major German War Criminals, 1945-1946

Nuremberg trials (*Motion picture*) U. S. Dept. of Defense, 1949.

—CAMPAIGNS—ADMIRALTY ISLANDS

The Admiralty Islands (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

—CAMPAIGNS—CRETE

Invasion of Crete by the German Army (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

—CAMPAIGNS—ITALY

Naples to Cassino (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

San Pietro (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

Sicily to Naples (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

—CAMPAIGNS—NEW BRITAIN (ISLAND)

Attack! The battle for New Britain (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

—CAMPAIGNS—OKINAWA ISLAND

The fleet that came to stay (*Motion picture*) U. S. Dept. of the Navy, 1945.

—CAMPAIGNS—PELEW ISLANDS

Action at Anguar (*Motion picture*) U. S. War Dept., 1945.

Fury in the Pacific (*Motion picture*) U. S. Dept. of the Navy and U. S. Marine Corps, 1945.

—CAMPAIGNS—SOLOMON ISLANDS

Lifeline (*Motion picture*) U. S. War Dept., 1943.

Price of Rendova (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

—CAMPAIGNS—WESTERN

American First Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.

American Ninth Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

D-day minus one (*Motion picture*) U. S. Army Air Forces, 1945.

D-Z Normandy: Employment of troop carrier forces (*Motion picture*) U. S. Army Air Forces, 1944.

The 83rd Infantry Division in Europe (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

Eve of battle (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

The famous Third Army (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

Invasion of southern France (*Motion picture*) U. S. Dept. of the Army, 1950.

Normandy invasion (*Motion picture*) U. S. Coast Guard, 1944.

29th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

Work horse of the western front: 30th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

—COMMUNICATIONS

Pro patria vigilans (*Motion picture*) U. S. Dept. of the Army, 1951.

—ECONOMIC ASPECTS

Black marketing (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

Keep 'em rolling (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

—ENGINEERING AND CONSTRUCTION

Fixed bridge construction and repair in the CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

Military pipeline system: CBI theater (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Road construction and maintenance in CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

Seabees can do plus (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Cascade Pictures.

The Stilwell Road (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

—FOOD QUESTION

Farmer at war (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

—MEDICAL AND SANITARY AFFAIRS

Army medical laboratories (*Motion picture*) U. S. Dept. of the Army, 1947.

Lifeline (*Motion picture*) U. S. War Dept., 1943.

Perishable rush (*Motion picture*) U. S. Army Air Forces, 1945.

—NAVAL OPERATIONS—SUBMARINE

The Growler story (*Motion picture*) U. S. Dept. of the Navy, 1958.

Serving the merchant marine (*Motion picture*) U. S. Coast Guard, 1944.

—NAVAL OPERATIONS, AMERICAN

Attack in the Pacific (*Motion picture*) U. S. Dept. of [illegible]fense, 1950. Made by U. S. Dept. of the Army.

WORLD WAR, 1939-1945
—NAVAL OPERATIONS, AMERICAN (Continued)

Away boarders (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.

Sea power in the Pacific (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1950.

—RECONSTRUCTION see Reconstruction (1939-1951)

—REFUGEES

The Cummington story (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

—REGIMENTAL HISTORIES

American First Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.

American Ninth Army: Aachen to the Roer River (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

D-Z Normandy: Employment of troop carrier forces (*Motion picture*) U. S. Army Air Forces, 1944.

The 82d Airborne Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

The 83rd Infantry Division in Europe (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

The famous Third Army (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

Hell for leather (*Motion picture*) U. S. War Dept., 1946.

Invasion of southern France (*Motion picture*) U. S. Dept. of the Army, 1950.

San Pietro (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

Sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Seventh Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949.

The Twenty-sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1952.

27th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

36th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

Sunset Division: 41st Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1950.

Winged victory on foot: 43d Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

—SUPPLIES

Keep 'em rolling (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

Ordnance service in an overseas theater (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

—TRANSPORTATION

Right of way (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

Troop train (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

—WOMEN'S WORK

Women in defense (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

—BELGIUM

Defense of Antwerp against the V-1 (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

—BOUGAINVILLE ISLAND

Bougainville (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

—BURMA

Fixed bridge construction and repair in the CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

Military pipeline system: CBI theater (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

Road construction and maintenance in CBI (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

The Stilwell Road (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

—CHINA

China crisis (*Motion picture*) U. S. Army Air Forces, 1946.

—GERMANY

The Air Force story: Schweinfurt and Regensburg, August 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

The Nazis strike (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.

—ITALY

Liberation of Rome (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

—JAPAN

Atomic medical cases: Japan, World War II (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Tale of two cities (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

—MELANESIA

Melanesia (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—OCEANICA

Borneo and Celebes (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

—PACIFIC OCEAN

see also Iwo Jima, Battle of, 1945

Appointment in Tokyo (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

Attack in the Pacific (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

Pacific pathways (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.

Sea power in the Pacific (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1950.

Sixth Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

Seventh Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1949.

27th Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1953.

32nd Infantry Division (*Motion picture*) U. S. Dept. of the Army, 1954.

The victory division: 24th Infantry (*Motion picture*) U. S. Dept. of the Army, 1950.

—PANTELLERIA, ISLE OF

The Air Force story: Expanding air power, June 1943 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

—PHILIPPINE ISLANDS

Appointment in Tokyo (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

—RENDOVA

Price of Rendova (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

—RUMANIA

The Air Force story: Ploesti, March–August 1944 (*Motion picture*) U. S. Dept. of the Air Force, 1953.

—U.S.

American history II, lecture 13: International anarchy and America's entry into World War II (*Motion picture*) U. S. Dept. of Defense, 1956.

The ground team: Designed for victory (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

Let's look at ordnance (*Motion picture*) U. S. War Dept., 1945.

Three cities (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

WORLD'S FAIRS see Exhibitions

WORMS, INTESTINAL AND PARASITIC

see also Hookworms; Tapeworms; Trichina and trichinosis

Ascariasis (Infestation with ascarids) (*Motion picture*) U. S. Dept. of the Army, 1949.

WORSHIP

Worship in life (*Motion picture*) U. S. Dept. of the Army, 1959.

WOUNDED IN BATTLE see War—Relief of sick and wounded

WOUNDS

see also Venom—Physiological effect

—TREATMENT

see also Bandages and bandaging; First aid in illness and injury

Debridement. Part 1: Multiple soft tissue wounds (*Motion picture*) U. S. Dept. of the Army, 1957.

Debridement. Part 2: Wounds of the extremities (*Motion picture*) U. S. Dept. of the Army, 1956.

Multiple wounds, report of a battle casualty (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

Resuscitative care of the severely wounded (*Motion picture*) U. S. Dept. of the Army, 1957.

Soft tissue wounds (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

WRAPPING MATERIALS

Packaging and packing: Methods of preservation, method I, preservative coating (with greaseproof wrap as required) (*Filmstrip*) U. S. Dept. of the Army, 1959.

WRECKS see Shipwrecks

WRENCHES

see also Torque wrenches

Wrenches (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

WRIGHT AIR DEVELOPMENT CENTER see U. S. Wright Air Development Center

WRIST

—FRACTURE

Fractures about the wrist and hand (*Motion picture*) U. S. Veterans Administration, 1966. Made by Churchill-Wexler Film Productions.

—SURGERY

Surgical approaches to the joints of the wrist (*Motion picture*) U. S. Veterans Administration, 1962. Made by Churchill-Wexler Film Productions.

WRITING

—STUDY AND TEACHING *see* Penmanship

WYOMING

Wyoming and its natural resources (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

XYZ

X-RAY PHOTOGRAPHY *see* Radiography

X-RAYS

see also Gamma rays; Radiotherapy; Vacuum-tubes

Routine X-ray procedures (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

—INDUSTRIAL APPLICATIONS

X-ray inspection (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

X-ray inspection (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

—THERAPEUTIC USE

Radiotherapy: High dosage treatment (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1943. Made by Willard Pictures.

Radiotherapy: High dosage treatment (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1943. Made by Willard Pictures.

X-RAYS IN DENTISTRY *see* Teeth—Radiography

XENON TETRAFLUORIDE

Xenon tetrafluoride (*Motion picture*) U. S. Atomic Energy Commission, 1963.

YOMIURI SHIMBUN-SHA, TOKYO

Edition Tokyo (*Motion picture*) U. S. Dept. of the Army, 1950.

YONKERS, N. Y.

—CHARITIES

Community Chest (*Motion picture*) U. S. Dept. of the Army, 1950. Made by RKO Pathé. Released for public educational use through U. S. Office of Education, 1950.

YOUNG NATIONS *see* States, New

YOUTH

Communist target—youth (*Motion picture*) U. S. Dept. of Defense, 1962.

Leaders of tomorrow (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

Young Uruguay (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

YUGOSLAVIA

Yugoslavia (*Motion picture*) U. S. Dept. of Defense, 1962. Made by U. S. Dept. of the Army.

ZOYSIA

Beltsville newsreel, no. 3 (*Motion picture*) U. S. Dept. of Agriculture, 1956.

ZOOLOGY

see also Animals, Habits and behavior of; Domestic animals; Embryology; Forest fauna; Laboratory animals; Physiology, Comparative

Realm of the wild (*Motion picture*) U. S. Dept. of Agriculture, 1945.

ZINC INDUSTRY AND TRADE

Zinc, its mining, milling, and smelting (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1948.

ZINC MINES AND MINING

Zinc, its mining, milling, and smelting (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1948.

YUKAWA, HIDEKI, 1907-

The Yukawa story (*Motion picture*) U. S. Information Agency, 1955. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1955.

U. S. GOVERNMENT PRINTING OFFICE: 1964 O - 733-201